

TSL data name list of JENDL-5 for ACE file generation

All temperature data in the thermal scattering law (TSL) data from JENDL-5 are processed. The temperature and corresponding suffix ID are shown in Tables 1-14. The ACE files are generated using FRENDY ver.2.01.004. The energy grid point of the incoherent inelastic scattering cross section is linearized to reduce the number of energy grid points and data size of the ACE file.

Table 1 TSL data name list of H in H₂O

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	E _{max} (eV)
tsl_HinH2O.dat	270.00	h2o	h-h2o.40t	40t	10
tsl_HinH2O.dat	280.00	h2o	h-h2o.41t	41t	10
tsl_HinH2O.dat	290.00	h2o	h-h2o.42t	42t	10
tsl_HinH2O.dat	293.60	h2o	h-h2o.43t	43t	10
tsl_HinH2O.dat	296.00	h2o	h-h2o.44t	44t	10
tsl_HinH2O.dat	300.00	h2o	h-h2o.45t	45t	10
tsl_HinH2O.dat	310.00	h2o	h-h2o.46t	46t	10
tsl_HinH2O.dat	320.00	h2o	h-h2o.47t	47t	10
tsl_HinH2O.dat	330.00	h2o	h-h2o.48t	48t	10
tsl_HinH2O.dat	340.00	h2o	h-h2o.49t	49t	10
tsl_HinH2O.dat	350.00	h2o	h-h2o.50t	50t	10
tsl_HinH2O.dat	360.00	h2o	h-h2o.51t	51t	10
tsl_HinH2O.dat	370.00	h2o	h-h2o.52t	52t	10
tsl_HinH2O.dat	380.00	h2o	h-h2o.53t	53t	10
tsl_HinH2O.dat	390.00	h2o	h-h2o.54t	54t	10
tsl_HinH2O.dat	400.00	h2o	h-h2o.55t	55t	10
tsl_HinH2O.dat	410.00	h2o	h-h2o.56t	56t	10
tsl_HinH2O.dat	420.00	h2o	h-h2o.57t	57t	10
tsl_HinH2O.dat	430.00	h2o	h-h2o.58t	58t	10
tsl_HinH2O.dat	440.00	h2o	h-h2o.59t	59t	10
tsl_HinH2O.dat	450.00	h2o	h-h2o.60t	60t	10
tsl_HinH2O.dat	460.00	h2o	h-h2o.61t	61t	10
tsl_HinH2O.dat	470.00	h2o	h-h2o.62t	62t	10
tsl_HinH2O.dat	480.00	h2o	h-h2o.63t	63t	10

tsl_HinH2O.dat	490.00	h2o	h-h2o.64t	64t	10
tsl_HinH2O.dat	500.00	h2o	h-h2o.65t	65t	10
tsl_HinH2O.dat	510.00	h2o	h-h2o.66t	66t	10
tsl_HinH2O.dat	520.00	h2o	h-h2o.67t	67t	10
tsl_HinH2O.dat	530.00	h2o	h-h2o.68t	68t	10
tsl_HinH2O.dat	540.00	h2o	h-h2o.69t	69t	10
tsl_HinH2O.dat	550.00	h2o	h-h2o.70t	70t	10
tsl_HinH2O.dat	560.00	h2o	h-h2o.71t	71t	10
tsl_HinH2O.dat	570.00	h2o	h-h2o.72t	72t	10
tsl_HinH2O.dat	580.00	h2o	h-h2o.73t	73t	10
tsl_HinH2O.dat	590.00	h2o	h-h2o.74t	74t	10
tsl_HinH2O.dat	600.00	h2o	h-h2o.75t	75t	10
tsl_HinH2O.dat	610.00	h2o	h-h2o.76t	76t	10
tsl_HinH2O.dat	620.00	h2o	h-h2o.77t	77t	10
tsl_HinH2O.dat	630.00	h2o	h-h2o.78t	78t	10
tsl_HinH2O.dat	640.00	h2o	h-h2o.79t	79t	10
tsl_HinH2O.dat	650.00	h2o	h-h2o.80t	80t	10
tsl_HinH2O.dat	660.00	h2o	h-h2o.81t	81t	10
tsl_HinH2O.dat	670.00	h2o	h-h2o.82t	82t	10
tsl_HinH2O.dat	680.00	h2o	h-h2o.83t	83t	10
tsl_HinH2O.dat	690.00	h2o	h-h2o.84t	84t	10
tsl_HinH2O.dat	700.00	h2o	h-h2o.85t	85t	10
tsl_HinH2O.dat	710.00	h2o	h-h2o.86t	86t	10
tsl_HinH2O.dat	720.00	h2o	h-h2o.87t	87t	10
tsl_HinH2O.dat	730.00	h2o	h-h2o.88t	88t	10
tsl_HinH2O.dat	740.00	h2o	h-h2o.89t	89t	10
tsl_HinH2O.dat	750.00	h2o	h-h2o.90t	90t	10
tsl_HinH2O.dat	760.00	h2o	h-h2o.91t	91t	10
tsl_HinH2O.dat	770.00	h2o	h-h2o.92t	92t	10
tsl_HinH2O.dat	780.00	h2o	h-h2o.93t	93t	10
tsl_HinH2O.dat	790.00	h2o	h-h2o.94t	94t	10
tsl_HinH2O.dat	800.00	h2o	h-h2o.95t	95t	10
tsl_HinIceh.dat	115.00	h2o	h-ice.40t	40t	10
tsl_HinIceh.dat	188.15	h2o	h-ice.41t	41t	10
tsl_HinIceh.dat	208.15	h2o	h-ice.42t	42t	10
tsl_HinIceh.dat	228.15	h2o	h-ice.43t	43t	10

tsl_HinIcelh.dat	233.15	h2o	h-ice.44t	44t	10
tsl_HinIcelh.dat	248.15	h2o	h-ice.45t	45t	10
tsl_HinIcelh.dat	253.15	h2o	h-ice.46t	46t	10
tsl_HinIcelh.dat	268.15	h2o	h-ice.47t	47t	10
tsl_HinIcelh.dat	273.15	h2o	h-ice.48t	48t	10
tsl_OinH2O.dat	270.00	h2o	o-h2o.40t	40t	10
tsl_OinH2O.dat	280.00	h2o	o-h2o.41t	41t	10
tsl_OinH2O.dat	290.00	h2o	o-h2o.42t	42t	10
tsl_OinH2O.dat	293.60	h2o	o-h2o.43t	43t	10
tsl_OinH2O.dat	296.00	h2o	o-h2o.44t	44t	10
tsl_OinH2O.dat	300.00	h2o	o-h2o.45t	45t	10
tsl_OinH2O.dat	310.00	h2o	o-h2o.46t	46t	10
tsl_OinH2O.dat	320.00	h2o	o-h2o.47t	47t	10
tsl_OinH2O.dat	330.00	h2o	o-h2o.48t	48t	10
tsl_OinH2O.dat	340.00	h2o	o-h2o.49t	49t	10
tsl_OinH2O.dat	350.00	h2o	o-h2o.50t	50t	10
tsl_OinH2O.dat	360.00	h2o	o-h2o.51t	51t	10
tsl_OinH2O.dat	370.00	h2o	o-h2o.52t	52t	10
tsl_OinH2O.dat	380.00	h2o	o-h2o.53t	53t	10
tsl_OinH2O.dat	390.00	h2o	o-h2o.54t	54t	10
tsl_OinH2O.dat	400.00	h2o	o-h2o.55t	55t	10
tsl_OinH2O.dat	410.00	h2o	o-h2o.56t	56t	10
tsl_OinH2O.dat	420.00	h2o	o-h2o.57t	57t	10
tsl_OinH2O.dat	430.00	h2o	o-h2o.58t	58t	10
tsl_OinH2O.dat	440.00	h2o	o-h2o.59t	59t	10
tsl_OinH2O.dat	450.00	h2o	o-h2o.60t	60t	10
tsl_OinH2O.dat	460.00	h2o	o-h2o.61t	61t	10
tsl_OinH2O.dat	470.00	h2o	o-h2o.62t	62t	10
tsl_OinH2O.dat	480.00	h2o	o-h2o.63t	63t	10
tsl_OinH2O.dat	490.00	h2o	o-h2o.64t	64t	10
tsl_OinH2O.dat	500.00	h2o	o-h2o.65t	65t	10
tsl_OinH2O.dat	510.00	h2o	o-h2o.66t	66t	10
tsl_OinH2O.dat	520.00	h2o	o-h2o.67t	67t	10
tsl_OinH2O.dat	530.00	h2o	o-h2o.68t	68t	10
tsl_OinH2O.dat	540.00	h2o	o-h2o.69t	69t	10
tsl_OinH2O.dat	550.00	h2o	o-h2o.70t	70t	10

tsl_OinH2O.dat	560.00	h2o	o-h2o.71t	71t	10
tsl_OinH2O.dat	570.00	h2o	o-h2o.72t	72t	10
tsl_OinH2O.dat	580.00	h2o	o-h2o.73t	73t	10
tsl_OinH2O.dat	590.00	h2o	o-h2o.74t	74t	10
tsl_OinH2O.dat	600.00	h2o	o-h2o.75t	75t	10
tsl_OinH2O.dat	610.00	h2o	o-h2o.76t	76t	10
tsl_OinH2O.dat	620.00	h2o	o-h2o.77t	77t	10
tsl_OinH2O.dat	630.00	h2o	o-h2o.78t	78t	10
tsl_OinH2O.dat	640.00	h2o	o-h2o.79t	79t	10
tsl_OinH2O.dat	650.00	h2o	o-h2o.80t	80t	10
tsl_OinH2O.dat	660.00	h2o	o-h2o.81t	81t	10
tsl_OinH2O.dat	670.00	h2o	o-h2o.82t	82t	10
tsl_OinH2O.dat	680.00	h2o	o-h2o.83t	83t	10
tsl_OinH2O.dat	690.00	h2o	o-h2o.84t	84t	10
tsl_OinH2O.dat	700.00	h2o	o-h2o.85t	85t	10
tsl_OinH2O.dat	710.00	h2o	o-h2o.86t	86t	10
tsl_OinH2O.dat	720.00	h2o	o-h2o.87t	87t	10
tsl_OinH2O.dat	730.00	h2o	o-h2o.88t	88t	10
tsl_OinH2O.dat	740.00	h2o	o-h2o.89t	89t	10
tsl_OinH2O.dat	750.00	h2o	o-h2o.90t	90t	10
tsl_OinH2O.dat	760.00	h2o	o-h2o.91t	91t	10
tsl_OinH2O.dat	770.00	h2o	o-h2o.92t	92t	10
tsl_OinH2O.dat	780.00	h2o	o-h2o.93t	93t	10
tsl_OinH2O.dat	790.00	h2o	o-h2o.94t	94t	10
tsl_OinH2O.dat	800.00	h2o	o-h2o.95t	95t	10
tsl_OinIcelh.dat	115.00	h2o	o-ice.40t	40t	10
tsl_OinIcelh.dat	188.15	h2o	o-ice.41t	41t	10
tsl_OinIcelh.dat	208.15	h2o	o-ice.42t	42t	10
tsl_OinIcelh.dat	228.15	h2o	o-ice.43t	43t	10
tsl_OinIcelh.dat	233.15	h2o	o-ice.44t	44t	10
tsl_OinIcelh.dat	248.15	h2o	o-ice.45t	45t	10
tsl_OinIcelh.dat	253.15	h2o	o-ice.46t	46t	10
tsl_OinIcelh.dat	268.15	h2o	o-ice.47t	47t	10
tsl_OinIcelh.dat	273.15	h2o	o-ice.48t	48t	10

Table 2 TSL data name list of D in H₂O

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	Emax (eV)
tsl_DinD20.dat	283.60	d2o	d-d2o.40t	40t	10
tsl_DinD20.dat	293.60	d2o	d-d2o.41t	41t	10
tsl_DinD20.dat	325.00	d2o	d-d2o.42t	42t	10
tsl_DinD20.dat	350.00	d2o	d-d2o.43t	43t	10
tsl_DinD20.dat	375.00	d2o	d-d2o.44t	44t	10
tsl_DinD20.dat	400.00	d2o	d-d2o.45t	45t	10
tsl_DinD20.dat	425.00	d2o	d-d2o.46t	46t	10
tsl_DinD20.dat	450.00	d2o	d-d2o.47t	47t	10
tsl_DinD20.dat	475.00	d2o	d-d2o.48t	48t	10
tsl_DinD20.dat	500.00	d2o	d-d2o.49t	49t	10
tsl_DinD20.dat	525.00	d2o	d-d2o.50t	50t	10
tsl_DinD20.dat	550.00	d2o	d-d2o.51t	51t	10
tsl_DinD20.dat	575.00	d2o	d-d2o.52t	52t	10
tsl_DinD20.dat	600.00	d2o	d-d2o.53t	53t	10
tsl_OinD20.dat	283.60	d2o	o-d2o.40t	40t	10
tsl_OinD20.dat	293.60	d2o	o-d2o.41t	41t	10
tsl_OinD20.dat	325.00	d2o	o-d2o.42t	42t	10
tsl_OinD20.dat	350.00	d2o	o-d2o.43t	43t	10
tsl_OinD20.dat	375.00	d2o	o-d2o.44t	44t	10
tsl_OinD20.dat	400.00	d2o	o-d2o.45t	45t	10
tsl_OinD20.dat	425.00	d2o	o-d2o.46t	46t	10
tsl_OinD20.dat	450.00	d2o	o-d2o.47t	47t	10
tsl_OinD20.dat	475.00	d2o	o-d2o.48t	48t	10
tsl_OinD20.dat	500.00	d2o	o-d2o.49t	49t	10
tsl_OinD20.dat	525.00	d2o	o-d2o.50t	50t	10
tsl_OinD20.dat	550.00	d2o	o-d2o.51t	51t	10
tsl_OinD20.dat	575.00	d2o	o-d2o.52t	52t	10
tsl_OinD20.dat	600.00	d2o	o-d2o.53t	53t	10

Table 3 TSL data name list of Be and BeO

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	Emax (eV)
tsl_Be-metal.dat	293.60	be	be.40t	40t	10
tsl_Be-metal.dat	400.00	be	be.41t	41t	10
tsl_Be-metal.dat	500.00	be	be.42t	42t	10
tsl_Be-metal.dat	600.00	be	be.43t	43t	10
tsl_Be-metal.dat	700.00	be	be.44t	44t	10
tsl_Be-metal.dat	800.00	be	be.45t	45t	10
tsl_Be-metal.dat	1000.00	be	be.46t	46t	10
tsl_Be-metal.dat	1200.00	be	be.47t	47t	10
tsl_BeinBeO.dat	296.00	be	be-beo.40t	40t	10
tsl_BeinBeO.dat	400.00	be	be-beo.41t	41t	10
tsl_BeinBeO.dat	500.00	be	be-beo.42t	42t	10
tsl_BeinBeO.dat	600.00	be	be-beo.43t	43t	10
tsl_BeinBeO.dat	700.00	be	be-beo.44t	44t	10
tsl_BeinBeO.dat	800.00	be	be-beo.45t	45t	10
tsl_BeinBeO.dat	1000.00	be	be-beo.46t	46t	10
tsl_BeinBeO.dat	1200.00	be	be-beo.47t	47t	10
tsl_OinBeO.dat	293.60	be	o-beo.40t	40t	10
tsl_OinBeO.dat	400.00	be	o-beo.41t	41t	10
tsl_OinBeO.dat	500.00	be	o-beo.42t	42t	10
tsl_OinBeO.dat	600.00	be	o-beo.43t	43t	10
tsl_OinBeO.dat	700.00	be	o-beo.44t	44t	10
tsl_OinBeO.dat	800.00	be	o-beo.45t	45t	10
tsl_OinBeO.dat	1000.00	be	o-beo.46t	46t	10
tsl_OinBeO.dat	1200.00	be	o-beo.47t	47t	10

Table 4 TSL data name list of graphite

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	E _{max} (eV)
tsl_crystalline-graphite.dat	296.00	grph	grph.40t	40t	10
tsl_crystalline-graphite.dat	400.00	grph	grph.41t	41t	10
tsl_crystalline-graphite.dat	500.00	grph	grph.42t	42t	10
tsl_crystalline-graphite.dat	600.00	grph	grph.43t	43t	10
tsl_crystalline-graphite.dat	700.00	grph	grph.44t	44t	10
tsl_crystalline-graphite.dat	800.00	grph	grph.45t	45t	10
tsl_crystalline-graphite.dat	1000.00	grph	grph.46t	46t	10
tsl_crystalline-graphite.dat	1200.00	grph	grph.47t	47t	10
tsl_crystalline-graphite.dat	1600.00	grph	grph.48t	48t	10
tsl_crystalline-graphite.dat	2000.00	grph	grph.49t	49t	10
tsl_reactor-graphite-10P.dat	296.00	grph	grph10.40t	40t	10
tsl_reactor-graphite-10P.dat	400.00	grph	grph10.41t	41t	10
tsl_reactor-graphite-10P.dat	500.00	grph	grph10.42t	42t	10
tsl_reactor-graphite-10P.dat	600.00	grph	grph10.43t	43t	10
tsl_reactor-graphite-10P.dat	700.00	grph	grph10.44t	44t	10
tsl_reactor-graphite-10P.dat	800.00	grph	grph10.45t	45t	10
tsl_reactor-graphite-10P.dat	1000.00	grph	grph10.46t	46t	10
tsl_reactor-graphite-10P.dat	1200.00	grph	grph10.47t	47t	10
tsl_reactor-graphite-10P.dat	1600.00	grph	grph10.48t	48t	10
tsl_reactor-graphite-10P.dat	2000.00	grph	grph10.49t	49t	10
tsl_reactor-graphite-30P.dat	296.00	grph	grph30.40t	40t	10
tsl_reactor-graphite-30P.dat	400.00	grph	grph30.41t	41t	10
tsl_reactor-graphite-30P.dat	500.00	grph	grph30.42t	42t	10
tsl_reactor-graphite-30P.dat	600.00	grph	grph30.43t	43t	10
tsl_reactor-graphite-30P.dat	700.00	grph	grph30.44t	44t	10
tsl_reactor-graphite-30P.dat	800.00	grph	grph30.45t	45t	10
tsl_reactor-graphite-30P.dat	1000.00	grph	grph30.46t	46t	10
tsl_reactor-graphite-30P.dat	1200.00	grph	grph30.47t	47t	10
tsl_reactor-graphite-30P.dat	1600.00	grph	grph30.48t	48t	10
tsl_reactor-graphite-30P.dat	2000.00	grph	grph30.49t	49t	10

Table 5 TSL data name list of polyethylene

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	E _{max} (eV)
tsl_HinCH2.dat	77.00	poly	h-poly.40t	40t	10
tsl_HinCH2.dat	196.00	poly	h-poly.41t	41t	10
tsl_HinCH2.dat	233.00	poly	h-poly.42t	42t	10
tsl_HinCH2.dat	293.60	poly	h-poly.43t	43t	10
tsl_HinCH2.dat	300.00	poly	h-poly.44t	44t	10
tsl_HinCH2.dat	303.00	poly	h-poly.45t	45t	10
tsl_HinCH2.dat	313.00	poly	h-poly.46t	46t	10
tsl_HinCH2.dat	323.00	poly	h-poly.47t	47t	10
tsl_HinCH2.dat	333.00	poly	h-poly.48t	48t	10
tsl_HinCH2.dat	343.00	poly	h-poly.49t	49t	10
tsl_HinCH2.dat	350.00	poly	h-poly.50t	50t	10

Table 6 TSL data name list of C_xH_x

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	E _{max} (eV)
tsl_CinLiquidBenzene.dat	200.0	ch	c-lben.40t	40t	10
tsl_CinLiquidBenzene.dat	250.0	ch	c-lben.41t	41t	10
tsl_CinLiquidBenzene.dat	300.0	ch	c-lben.42t	42t	10
tsl_CinLiquidBenzene.dat	350.0	ch	c-lben.43t	43t	10
tsl_CinLiquidBenzene.dat	400.0	ch	c-lben.44t	44t	10
tsl_CinLiquidBenzene.dat	450.0	ch	c-lben.45t	45t	10
tsl_CinLiquidBenzene.dat	500.0	ch	c-lben.46t	46t	10
tsl_CinLiquidBenzene.dat	600.0	ch	c-lben.47t	47t	10
tsl_CinLiquidBenzene.dat	700.0	ch	c-lben.48t	48t	10
tsl_CinLiquidBenzene.dat	800.0	ch	c-lben.49t	49t	10
tsl_CinLiquidBenzene.dat	900.0	ch	c-lben.50t	50t	10
tsl_CinLiquidBenzene.dat	1000.0	ch	c-lben.51t	51t	10
tsl_CinLiquidEthanol.dat	200.0	ch	c-leth.40t	40t	10
tsl_CinLiquidEthanol.dat	300.0	ch	c-leth.41t	41t	10
tsl_CinLiquidMesitylene.dat	200.0	ch	c-lmxy.40t	40t	10
tsl_CinLiquidMesitylene.dat	250.0	ch	c-lmxy.41t	41t	10
tsl_CinLiquidMesitylene.dat	300.0	ch	c-lmxy.42t	42t	10
tsl_CinLiquidMethane.dat	110.0	ch	c-lmet.40t	40t	10
tsl_CinLiquidM-Xylene.dat	200.0	ch	c-lmes.40t	40t	10
tsl_CinLiquidM-Xylene.dat	250.0	ch	c-lmes.41t	41t	10
tsl_CinLiquidM-Xylene.dat	300.0	ch	c-lmes.42t	42t	10
tsl_CinLiquidToluene.dat	200.0	ch	c-ltol.40t	40t	10
tsl_CinLiquidToluene.dat	250.0	ch	c-ltol.41t	41t	10
tsl_CinLiquidToluene.dat	300.0	ch	c-ltol.42t	42t	10
tsl_CinLiquidTriphenylmethane.dat	450.0	ch	c-ltpm.40t	40t	10
tsl_CinSolidBenzene.dat	20.0	ch	c-sben.40t	40t	10
tsl_CinSolidBenzene.dat	50.0	ch	c-sben.41t	41t	10
tsl_CinSolidBenzene.dat	100.0	ch	c-sben.42t	42t	10
tsl_CinSolidBenzene.dat	150.0	ch	c-sben.43t	43t	10
tsl_CinSolidEthanol.dat	20.0	ch	c-seth.40t	40t	10
tsl_CinSolidEthanol.dat	100.0	ch	c-seth.41t	41t	10
tsl_CinSolidMesitylene.dat	20.0	ch	c-smxy.40t	40t	10
tsl_CinSolidMesitylene.dat	50.0	ch	c-smxy.41t	41t	10

tsl_CinSolidMesitylene.dat	100.0	ch	c-smxy.42t	42t	10
tsl_CinSolidMesitylene.dat	150.0	ch	c-smxy.43t	43t	10
tsl_CinSolidMethane.dat	20.0	ch	c-smes.40t	40t	10
tsl_CinSolidM-Xylene.dat	20.0	ch	c-smet.40t	40t	10
tsl_CinSolidM-Xylene.dat	50.0	ch	c-smes.41t	41t	10
tsl_CinSolidM-Xylene.dat	100.0	ch	c-smes.42t	42t	10
tsl_CinSolidM-Xylene.dat	150.0	ch	c-smes.43t	43t	10
tsl_CinSolidToluene.dat	20.0	ch	c-stol.40t	40t	10
tsl_CinSolidToluene.dat	50.0	ch	c-stol.41t	41t	10
tsl_CinSolidToluene.dat	100.0	ch	c-stol.42t	42t	10
tsl_CinSolidToluene.dat	150.0	ch	c-stol.43t	43t	10
tsl_CinSolidTriphenylmethane.dat	20.0	ch	c-stpm.40t	40t	10
tsl_CinSolidTriphenylmethane.dat	100.0	ch	c-stpm.41t	41t	10
tsl_CinSolidTriphenylmethane.dat	300.0	ch	c-stpm.42t	42t	10
tsl_HinC5O2H8.dat	300.0	ch	h-luci.40t	40t	10
tsl_HinLiquidBenzene.dat	200.0	ch	h-lben.40t	40t	10
tsl_HinLiquidBenzene.dat	250.0	ch	h-lben.41t	41t	10
tsl_HinLiquidBenzene.dat	300.0	ch	h-lben.42t	42t	10
tsl_HinLiquidBenzene.dat	350.0	ch	h-lben.43t	43t	10
tsl_HinLiquidBenzene.dat	400.0	ch	h-lben.44t	44t	10
tsl_HinLiquidBenzene.dat	450.0	ch	h-lben.45t	45t	10
tsl_HinLiquidBenzene.dat	500.0	ch	h-lben.46t	46t	10
tsl_HinLiquidBenzene.dat	600.0	ch	h-lben.47t	47t	10
tsl_HinLiquidBenzene.dat	700.0	ch	h-lben.48t	48t	10
tsl_HinLiquidBenzene.dat	800.0	ch	h-lben.49t	49t	10
tsl_HinLiquidBenzene.dat	900.0	ch	h-lben.50t	50t	10
tsl_HinLiquidBenzene.dat	1000.0	ch	h-lben.51t	51t	10
tsl_HinLiquidEthanol.dat	200.0	ch	h-leth.40t	40t	10
tsl_HinLiquidEthanol.dat	300.0	ch	h-leth.41t	41t	10
tsl_HinLiquidM-Xylene.dat	200.0	ch	h-lmxy.40t	40t	10
tsl_HinLiquidM-Xylene.dat	250.0	ch	h-lmxy.41t	41t	10
tsl_HinLiquidM-Xylene.dat	300.0	ch	h-lmxy.42t	42t	10
tsl_HinLiquidMethane.dat	110.0	ch	h-lmet.40t	40t	10
tsl_HinLiquidMesitylene.dat	200.0	ch	h-lmes.40t	40t	10
tsl_HinLiquidMesitylene.dat	250.0	ch	h-lmes.41t	41t	10
tsl_HinLiquidMesitylene.dat	300.0	ch	h-lmes.42t	42t	10

tsl_HinLiquidToluene.dat	200.0	ch	h-ltol.40t	40t	10
tsl_HinLiquidToluene.dat	250.0	ch	h-ltol.41t	41t	10
tsl_HinLiquidToluene.dat	300.0	ch	h-ltol.42t	42t	10
tsl_HinLiquidTriphenylmethane.dat	450.0	ch	h-ltpm.40t	40t	10
tsl_HinSolidBenzene.dat	20.0	ch	h-sben.40t	40t	10
tsl_HinSolidBenzene.dat	50.0	ch	h-sben.41t	41t	10
tsl_HinSolidBenzene.dat	100.0	ch	h-sben.42t	42t	10
tsl_HinSolidBenzene.dat	150.0	ch	h-sben.43t	43t	10
tsl_HinSolidEthanol.dat	20.0	ch	h-seth.40t	40t	10
tsl_HinSolidEthanol.dat	100.0	ch	h-seth.41t	41t	10
tsl_HinSolidM-Xylene.dat	20.0	ch	h-smxy.40t	40t	10
tsl_HinSolidM-Xylene.dat	50.0	ch	h-smxy.41t	41t	10
tsl_HinSolidM-Xylene.dat	100.0	ch	h-smxy.42t	42t	10
tsl_HinSolidM-Xylene.dat	150.0	ch	h-smxy.43t	43t	10
tsl_HinSolidMethane.dat	20.0	ch	h-smet.40t	40t	10
tsl_HinSolidMesitylene.dat	20.0	ch	h-smes.40t	40t	10
tsl_HinSolidMesitylene.dat	50.0	ch	h-smes.41t	41t	10
tsl_HinSolidMesitylene.dat	100.0	ch	h-smes.42t	42t	10
tsl_HinSolidMesitylene.dat	150.0	ch	h-smes.43t	43t	10
HinSolidToluene	20.0	ch	h-stol.40t	40t	10
HinSolidToluene	50.0	ch	h-stol.41t	41t	10
HinSolidToluene	100.0	ch	h-stol.42t	42t	10
HinSolidToluene	150.0	ch	h-stol.43t	43t	10
HinSolidTriphenylmethane	20.0	ch	h-stpm.40t	40t	10
HinSolidTriphenylmethane	100.0	ch	h-stpm.41t	41t	10
HinSolidTriphenylmethane	300.0	ch	h-stpm.42t	42t	10
tsl_OinLiquidEthanol.dat	200.0	ch	o-leth.40t	40t	10
tsl_OinLiquidEthanol.dat	300.0	ch	o-leth.41t	41t	10
tsl_OinSolidEthanol.dat	20.0	ch	o-seth.40t	40t	10
tsl_OinSolidEthanol.dat	100.0	ch	o-seth.41t	41t	10

Table 7 TSL data name list of Ortho and Para data

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	Emax (eV)
tsl_HinOrthoH.dat	14.00	cold	orthoH.40t	40t	63.25
tsl_HinOrthoH.dat	15.00	cold	orthoH.41t	41t	63.25
tsl_HinOrthoH.dat	16.00	cold	orthoH.42t	42t	63.25
tsl_HinOrthoH.dat	17.00	cold	orthoH.43t	43t	63.25
tsl_HinOrthoH.dat	18.00	cold	orthoH.44t	44t	63.25
tsl_HinOrthoH.dat	19.00	cold	orthoH.45t	45t	63.25
tsl_HinOrthoH.dat	20.00	cold	orthoH.46t	46t	63.25
tsl_HinParaH.dat	14.00	cold	paraH.40t	40t	63.25
tsl_HinParaH.dat	15.00	cold	paraH.41t	41t	63.25
tsl_HinParaH.dat	16.00	cold	paraH.42t	42t	63.25
tsl_HinParaH.dat	17.00	cold	paraH.43t	43t	63.25
tsl_HinParaH.dat	18.00	cold	paraH.44t	44t	63.25
tsl_HinParaH.dat	19.00	cold	paraH.45t	45t	63.25
tsl_HinParaH.dat	20.00	cold	paraH.46t	46t	63.25
tsl_DinOrthoD.dat	19.00	cold	orthoD.40t	40t	63.25
tsl_DinOrthoD.dat	20.00	cold	orthoD.41t	41t	63.25
tsl_DinOrthoD.dat	21.00	cold	orthoD.42t	42t	63.25
tsl_DinOrthoD.dat	22.00	cold	orthoD.43t	43t	63.25
tsl_DinOrthoD.dat	23.00	cold	orthoD.44t	44t	63.25
tsl_DinParaD.dat	19.00	cold	paraD.40t	40t	63.25
tsl_DinParaD.dat	20.00	cold	paraD.41t	41t	63.25
tsl_DinParaD.dat	21.00	cold	paraD.42t	42t	63.25
tsl_DinParaD.dat	22.00	cold	paraD.43t	43t	63.25
tsl_DinParaD.dat	23.00	cold	paraD.44t	44t	63.25

Table 8 TSL data name list of YH₂

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	E _{max} (eV)
tsl_YinYH2.dat	293.60	yh2	y-yh2.40t	40t	10
tsl_YinYH2.dat	400.00	yh2	y-yh2.41t	41t	10
tsl_YinYH2.dat	500.00	yh2	y-yh2.42t	42t	10
tsl_YinYH2.dat	600.00	yh2	y-yh2.43t	43t	10
tsl_YinYH2.dat	700.00	yh2	y-yh2.44t	44t	10
tsl_YinYH2.dat	800.00	yh2	y-yh2.45t	45t	10
tsl_YinYH2.dat	1000.00	yh2	y-yh2.46t	46t	10
tsl_YinYH2.dat	1200.00	yh2	y-yh2.47t	47t	10
tsl_YinYH2.dat	1400.00	yh2	y-yh2.48t	48t	10
tsl_YinYH2.dat	1600.00	yh2	y-yh2.49t	49t	10
tsl_HinYH2.dat	293.60	yh2	h-yh2.40t	40t	10
tsl_HinYH2.dat	400.00	yh2	h-yh2.41t	41t	10
tsl_HinYH2.dat	500.00	yh2	h-yh2.42t	42t	10
tsl_HinYH2.dat	600.00	yh2	h-yh2.43t	43t	10
tsl_HinYH2.dat	700.00	yh2	h-yh2.44t	44t	10
tsl_HinYH2.dat	800.00	yh2	h-yh2.45t	45t	10
tsl_HinYH2.dat	1000.00	yh2	h-yh2.46t	46t	10
tsl_HinYH2.dat	1200.00	yh2	h-yh2.47t	47t	10
tsl_HinYH2.dat	1400.00	yh2	h-yh2.48t	48t	10
tsl_HinYH2.dat	1600.00	yh2	h-yh2.49t	49t	10

Table 9 TSL data name list of ZrH

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	E _{max} (eV)
tsl_ZrinZrH.dat	296.00	zrh	zr-zrh.40t	40t	10
tsl_ZrinZrH.dat	400.00	zrh	zr-zrh.41t	41t	10
tsl_ZrinZrH.dat	500.00	zrh	zr-zrh.42t	42t	10
tsl_ZrinZrH.dat	600.00	zrh	zr-zrh.43t	43t	10
tsl_ZrinZrH.dat	700.00	zrh	zr-zrh.44t	44t	10
tsl_ZrinZrH.dat	800.00	zrh	zr-zrh.45t	45t	10
tsl_ZrinZrH.dat	1000.00	zrh	zr-zrh.46t	46t	10
tsl_ZrinZrH.dat	1200.00	zrh	zr-zrh.47t	47t	10
tsl_HinZrH.dat	296.00	zrh	h-zrh.40t	40t	10
tsl_HinZrH.dat	400.00	zrh	h-zrh.41t	41t	10
tsl_HinZrH.dat	500.00	zrh	h-zrh.42t	42t	10
tsl_HinZrH.dat	600.00	zrh	h-zrh.43t	43t	10
tsl_HinZrH.dat	700.00	zrh	h-zrh.44t	44t	10
tsl_HinZrH.dat	800.00	zrh	h-zrh.45t	45t	10
tsl_HinZrH.dat	1000.00	zrh	h-zrh.46t	46t	10
tsl_HinZrH.dat	1200.00	zrh	h-zrh.47t	47t	10

Table 10 TSL data name list of UN

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	Emax (eV)
tsl_UinUN.dat	296.00	un	u-un.40t	40t	10
tsl_UinUN.dat	400.00	un	u-un.41t	41t	10
tsl_UinUN.dat	500.00	un	u-un.42t	42t	10
tsl_UinUN.dat	600.00	un	u-un.43t	43t	10
tsl_UinUN.dat	700.00	un	u-un.44t	44t	10
tsl_UinUN.dat	800.00	un	u-un.45t	45t	10
tsl_UinUN.dat	1000.00	un	u-un.46t	46t	10
tsl_UinUN.dat	1200.00	un	u-un.47t	47t	10
tsl_NinUN.dat	296.00	un	n-un.40t	40t	10
tsl_NinUN.dat	400.00	un	n-un.41t	41t	10
tsl_NinUN.dat	500.00	un	n-un.42t	42t	10
tsl_NinUN.dat	600.00	un	n-un.43t	43t	10
tsl_NinUN.dat	700.00	un	n-un.44t	44t	10
tsl_NinUN.dat	800.00	un	n-un.45t	45t	10
tsl_NinUN.dat	1000.00	un	n-un.46t	46t	10
tsl_NinUN.dat	1200.00	un	n-un.47t	47t	10

Table 11 TSL data name list of UO₂

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	E _{max} (eV)
tsl_UinUO2.dat	296.00	uo2	u-uo2.40t	40t	10
tsl_UinUO2.dat	400.00	uo2	u-uo2.41t	41t	10
tsl_UinUO2.dat	500.00	uo2	u-uo2.42t	42t	10
tsl_UinUO2.dat	600.00	uo2	u-uo2.43t	43t	10
tsl_UinUO2.dat	700.00	uo2	u-uo2.44t	44t	10
tsl_UinUO2.dat	800.00	uo2	u-uo2.45t	45t	10
tsl_UinUO2.dat	1000.00	uo2	u-uo2.46t	46t	10
tsl_UinUO2.dat	1200.00	uo2	u-uo2.47t	47t	10
tsl_OinUO2.dat	296.00	uo2	o-uo2.40t	40t	10
tsl_OinUO2.dat	400.00	uo2	o-uo2.41t	41t	10
tsl_OinUO2.dat	500.00	uo2	o-uo2.42t	42t	10
tsl_OinUO2.dat	600.00	uo2	o-uo2.43t	43t	10
tsl_OinUO2.dat	700.00	uo2	o-uo2.44t	44t	10
tsl_OinUO2.dat	800.00	uo2	o-uo2.45t	45t	10
tsl_OinUO2.dat	1000.00	uo2	o-uo2.46t	46t	10
tsl_OinUO2.dat	1200.00	uo2	o-uo2.47t	47t	10

Table 12 TSL data name list of SiO₂

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	E _{max} (eV)
tsl_SiO2-alpha.dat	293.60	sio2	sio2.40t	40t	10
tsl_SiO2-alpha.dat	350.00	sio2	sio2.41t	41t	10
tsl_SiO2-alpha.dat	400.00	sio2	sio2.42t	42t	10
tsl_SiO2-alpha.dat	500.00	sio2	sio2.43t	43t	10
tsl_SiO2-alpha.dat	800.00	sio2	sio2.44t	44t	10
tsl_SiO2-beta.dat	1000.00	sio2	sio2.45t	45t	10
tsl_SiO2-beta.dat	1100.00	sio2	sio2.46t	46t	10

Table 13 TSL data name list of SiC

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	Emax (eV)
tsl_SiinSiC.dat	300.00	sic	si-sic.40t	40t	10
tsl_SiinSiC.dat	400.00	sic	si-sic.41t	41t	10
tsl_SiinSiC.dat	500.00	sic	si-sic.42t	42t	10
tsl_SiinSiC.dat	600.00	sic	si-sic.43t	43t	10
tsl_SiinSiC.dat	700.00	sic	si-sic.44t	44t	10
tsl_SiinSiC.dat	800.00	sic	si-sic.45t	45t	10
tsl_SiinSiC.dat	1000.00	sic	si-sic.46t	46t	10
tsl_SiinSiC.dat	1200.00	sic	si-sic.47t	47t	10
tsl_CinSiC.dat	300.00	sic	c-sic.40t	40t	10
tsl_CinSiC.dat	400.00	sic	c-sic.41t	41t	10
tsl_CinSiC.dat	500.00	sic	c-sic.42t	42t	10
tsl_CinSiC.dat	600.00	sic	c-sic.43t	43t	10
tsl_CinSiC.dat	700.00	sic	c-sic.44t	44t	10
tsl_CinSiC.dat	800.00	sic	c-sic.45t	45t	10
tsl_CinSiC.dat	1000.00	sic	c-sic.46t	46t	10
tsl_CinSiC.dat	1200.00	sic	c-sic.47t	47t	10

Table 14 TSL data name list of metal

JENDL-5 file name	Temp. [K]	directory	ACE ID	suffix ID	Emax (eV)
tsl_013_Al_027.dat	20.00	met	al-27.40t	40t	10
tsl_013_Al_027.dat	80.00	met	al-27.41t	41t	10
tsl_013_Al_027.dat	293.60	met	al-27.42t	42t	10
tsl_013_Al_027.dat	400.00	met	al-27.43t	43t	10
tsl_013_Al_027.dat	600.00	met	al-27.44t	44t	10
tsl_013_Al_027.dat	800.00	met	al-27.45t	45t	10
tsl_026_Fe_056.dat	20.00	met	fe-56.40t	40t	10
tsl_026_Fe_056.dat	80.00	met	fe-56.41t	41t	10
tsl_026_Fe_056.dat	293.60	met	fe-56.42t	42t	10
tsl_026_Fe_056.dat	400.00	met	fe-56.43t	43t	10
tsl_026_Fe_056.dat	600.00	met	fe-56.44t	44t	10
tsl_026_Fe_056.dat	800.00	met	fe-56.45t	45t	10