## PoSH report

## RMSE

config type	E [meV]		F [eV/A]		V [meV]	
Ti_T2700	5.17	0.000%	0.215	30.82%	42.2	5.22%
Al_T4000	6.28	0.006%	0.159	4.74%	30.0	1.64%
TiA13_T5000	3.40	0.001%	0.281	5.89%	57.9	2.58%
TiAl_T5000	3.62	0.000%	0.326	7.77%	42.6	2.45%
TiAl_dimer2	320.66	0.038%	0.356	98.82%	NaN	NaN%
Al_T1000	3.50	0.003%	0.042	5.54%	15.6	4.34%
TiAl_2000	0.50	0.000%	0.083	8.19%	16.4	5.00%
TiAl_dimer	1736.75	0.206%	6.604	13.87%	NaN	NaN%
Al_T2000	6.70	0.006%	0.094	5.50%	25.4	2.61%
Al_dimer2	300.00	0.283%	0.284	104.41%	NaN	$\mathtt{NaN\%}$
Al_T3000	4.40	0.004%	0.136	4.91%	34.0	2.25%
Ti_T2200	3.30	0.000%	0.176	27.75%	30.4	3.33%
Ti3Al_T2000	1.55	0.000%	0.138	15.02%	23.0	4.31%
TiAl_T2000	1.63	0.000%	0.119	10.83%	18.8	3.03%
Al_dimer	1432.33	1.393%	6.223	30.62%	NaN	NaN%
Ti_dimer2	314.30	0.020%	0.731	142.39%	NaN	$\mathtt{NaN\%}$
Ti_dimer	3476.51	0.219%	9.896	13.07%	NaN	$\mathtt{NaN\%}$
TiA13_T2000	1.93	0.000%	0.141	6.53%	42.2	3.56%
Ti_T3700	5.07	0.000%	0.271	35.35%	47.5	6.08%
Ti_T700	4.76	0.000%	0.118	33.59%	65.7	5.43%
Ti_T3200	6.09	0.000%	0.246	33.55%	37.4	4.43%
Ti_T1700	4.26	0.000%	0.163	29.22%	26.8	2.57%
Ti3A1_T5000	5.13	0.000%	0.359	13.60%	48.7	5.01%
Ti_T1200	2.37	0.000%	0.139	31.16%	24.4	2.17%
Ti_T4200	8.74	0.001%	0.289	35.98%	44.2	6.56%
TiAl_5000	2.98	0.000%	0.316	7.86%	46.0	2.99%
set	665.50	0.061%	0.456	12.55%	39.4	3.18%

vcat(energy\_2b\_11, energy\_2b\_12, energy\_2b\_22) = [22.4695, 19.3535, 16.7083, 14.4551, 12.5298, 10.8801, 9.46306, 8.24294, 7.16619, 6.18465, 5.30131, 4.51526, 3.8224, 3.21664, 2.69078, 2.23717, 1.84809, 1.51612, 1.23426, 0.996094, 0.795777, 0.628083, 0.488376, 0.372578, 0.277123, 0.198911, 0.135266, 0.0838789, 0.0427731, 0.0102577, -0.0151078, -0.0345471, -0.0490966, -0.059

6323, -0.0668919, -0.0714956, -0.0739631, -0.0747285, -0.0741535, -0.072538 4, -0.0701315, -0.0671374, -0.0637238, -0.0600274, -0.0561589, -0.0522073, -0.0482435, -0.0443233, -0.0404901, -0.0367767, -0.0332077, -0.0298004, -0.0367767, -0.0332077, -0.03980040265666, -0.0235135, -0.0206444, -0.0179599, -0.015458, -0.0131349, -0.0109 857, -0.00900408, -0.00718322, -0.0055157, -0.0039938, -0.00260963, -0.0013 5528, -0.000222883, 0.000795282, 0.00170674, 0.00251876, 0.00323837, 0.0038 7225, 0.00442682, 0.00490813, 0.00532195, 0.00567371, 0.00596852, 0.0062111 8, 0.00640619, 0.00655777, 0.00666985, 0.0067461, 0.00678993, 0.00680451, 0 .0067928, 0.00675751, 0.00670117, 0.00662612, 0.00653452, 0.00642834, 0.006 30943, 0.00617946, 0.00603998, 0.0058924, 0.00573803, 0.00557806, 0.0054135 6, 0.00524553, 0.00507486, 0.00490239, 0.00472884, 26.9342, 21.2708, 16.837 2, 13.3558, 10.6146, 8.451, 6.73935, 5.38246, 4.31199, 3.48138, 2.84063, 2. 3467, 1.96407, 1.66438, 1.42558, 1.23094, 1.06808, 0.928064, 0.804591, 0.69 3365, 0.591539, 0.497311, 0.409591, 0.327766, 0.251524, 0.180724, 0.115311, 0.0552586, 0.000533107, -0.0489288, -0.0932289, -0.13251, -0.166955, -0.196781, -0.222233, -0.243576, -0.261094, -0.275075, -0.285812, -0.293595, -0. 29871, -0.301432, -0.302023, -0.300735, -0.297803, -0.293445, -0.287867, -0 .281254, -0.273778, -0.265596, -0.256848, -0.247662, -0.23815, -0.228415, -0.218544, -0.208617, -0.198701, -0.188857, -0.179135, -0.169578, -0.160222, -0.151099, -0.142232, -0.133642, -0.125343, -0.117348, -0.109665, -0.10229 0.0595619, -0.0546645, -0.0500475, -0.0457019, -0.0416183, -0.0377873, -0.0341989, -0.0308434, -0.0277108, -0.0247913, -0.0220751, -0.0195525, -0.0172 141, -0.0150505, -0.0130528, -0.011212, -0.00951977, -0.00796768, -0.006547 75, -0.0052523, -0.00407389, -0.00300539, -0.00203998, -0.0011711, -0.00039 2489, 0.000301823, 46.0471, 34.3049, 25.6162, 19.1685, 14.3714, 10.7938, 8. 12006, 6.11781, 4.6065, 3.46225, 2.6089, 1.98093, 1.52377, 1.19331, 0.95482 8, 0.781656, 0.65376, 0.556449, 0.479212, 0.41475, 0.358163, 0.306314, 0.25 7322, 0.210179, 0.164455, 0.120091, 0.0772411, 0.0361666, -0.00283632, -0.0 394833, -0.0735303, -0.104788, -0.133128, -0.158481, -0.180835, -0.200226, -0.216733, -0.230469, -0.241575, -0.250209, -0.256545, -0.260765, -0.263054 , -0.263597, -0.262576, -0.260168, -0.256542, -0.251857, -0.246264, -0.2399 03, -0.232903, -0.225383, -0.217452, -0.209206, -0.200735, -0.192118, -0.18 3423, -0.174714, -0.166044, -0.157461, -0.149004, -0.140708, -0.132602, -0. 12471, -0.117053, -0.109645, -0.102499, -0.0956231, -0.0890245, -0.0827065, -0.0766707, -0.0709167, -0.0654427, -0.0602453, -0.0553199, -0.0506611, -0.0602453.0462626, -0.0421173, -0.0382177, -0.0345559, -0.0311235, -0.027912, -0.0249128, -0.022117, -0.0195159, -0.0171007, -0.0148629, -0.0127937, -0.010885, -0.00912827, -0.00751566, -0.00603932, -0.00469164, -0.0034653, -0.00235318, -0.00134845, -0.000444513, 0.000364957, 0.00108603, 0.00172454] ymin = -0.30202325078899017

