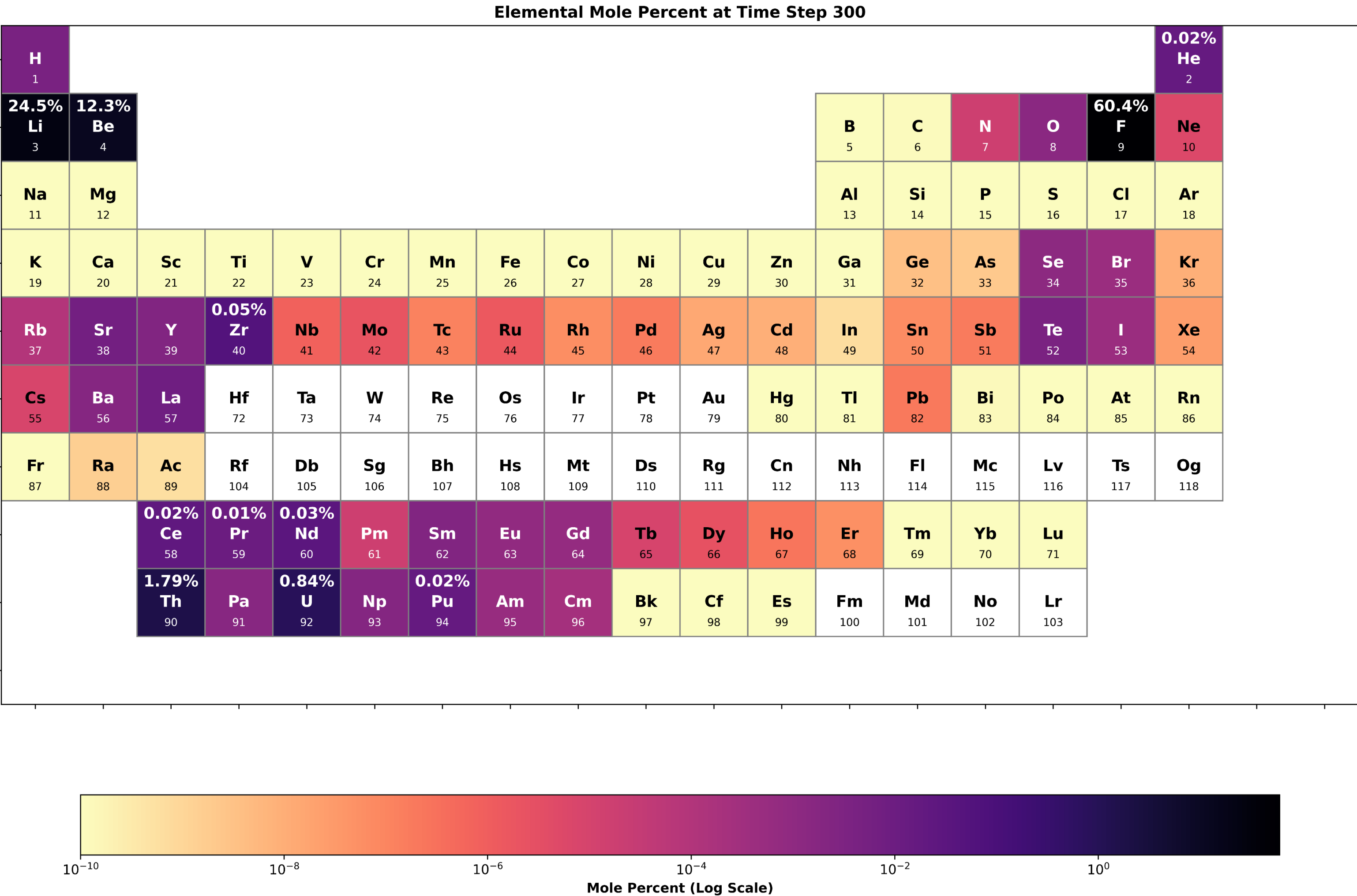
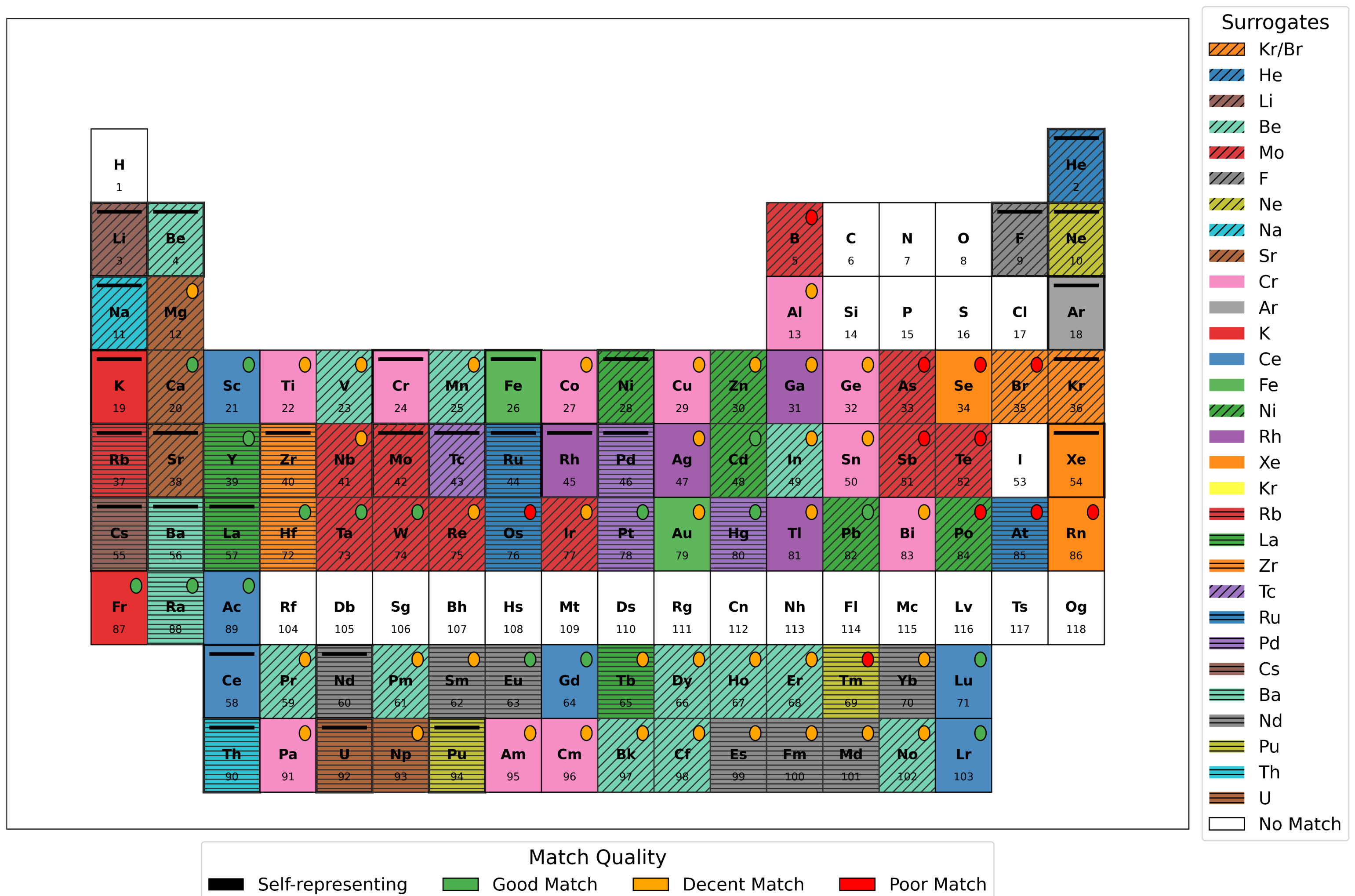


ThEIRENE Fuel Cycle Elemental Abundance



The ThEIRENE Fuel Cycle uses prescribed removal rates for some noble metals and gases. Shown here is the salt nuclide composition after 300 days. These data are used throughout.

Surrogate Map – Gen I

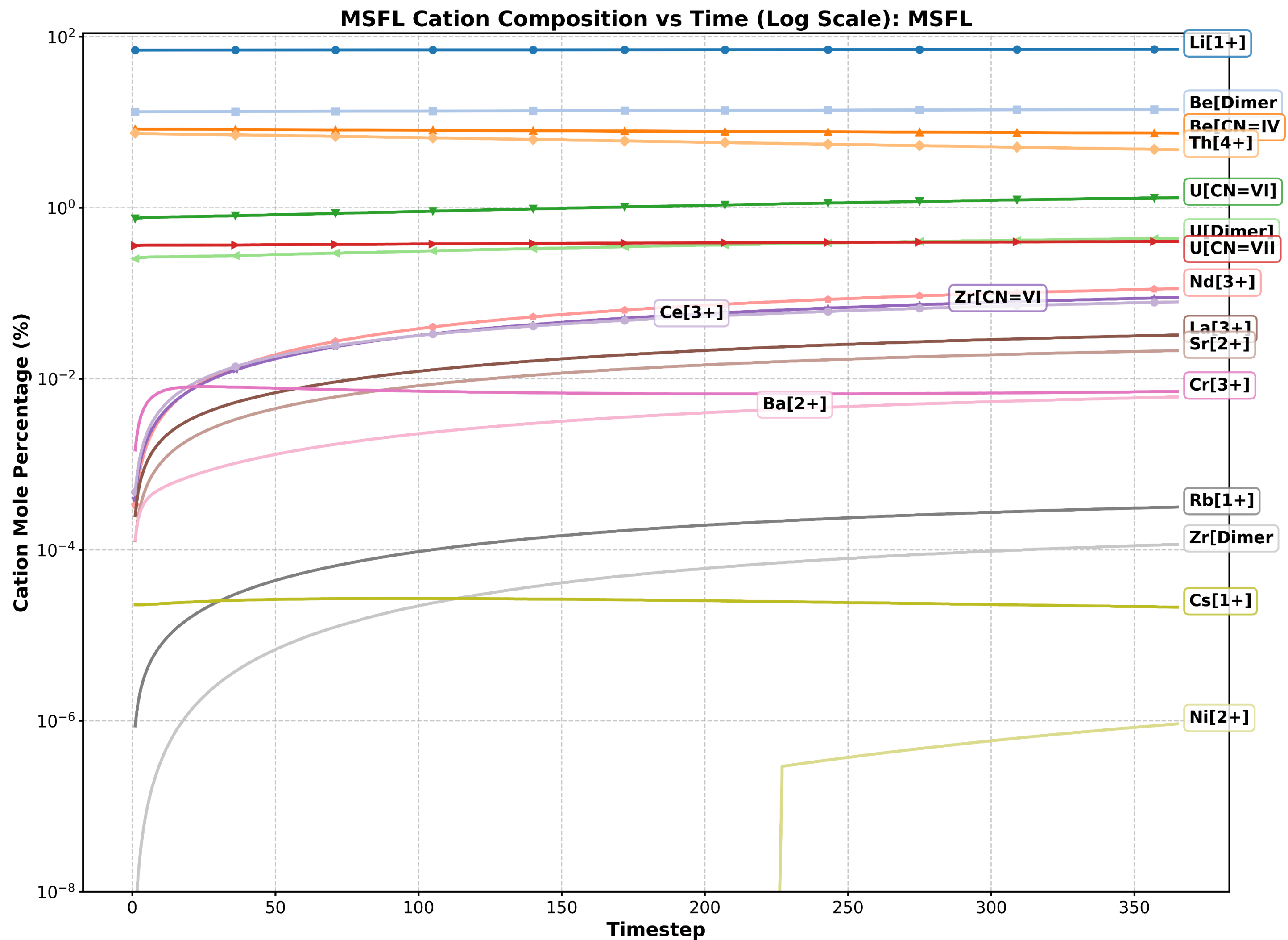


Good Match – Same half-reactions with similar potentials

Decent Match – Similar half-reactions

Poor – Based on electronegativity and elemental melting point

ThEIRENE Fuel Cycle Salt Species



Evolution of molten salt ionic composition for the ThEIRENE fuel cycle. Note the consumption of Th.

Want to See More?



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Take a look at the code