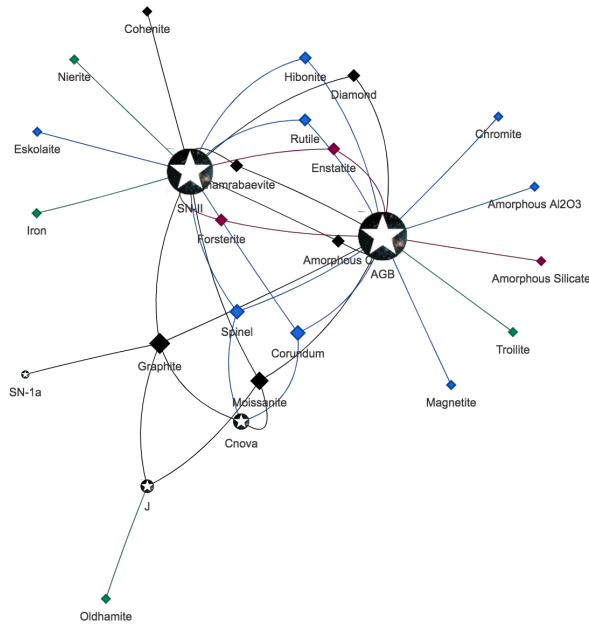


Graphical Abstract for “An evolutionary system of mineralogy, Part I: stellar mineralogy” by Hazen and Morrison.



We propose a new “evolutionary system” of mineralogy that embraces the information-rich “messiness” of minerals by linking chemical and physical attributes of specimens to their distinctive modes of formation. This network graph of stellar minerals and their host stars illustrates how individual mineral species can be associated with several different origins. This contribution is the first in a series that explores mineral evolution through more than 13 billion years of cosmic history.