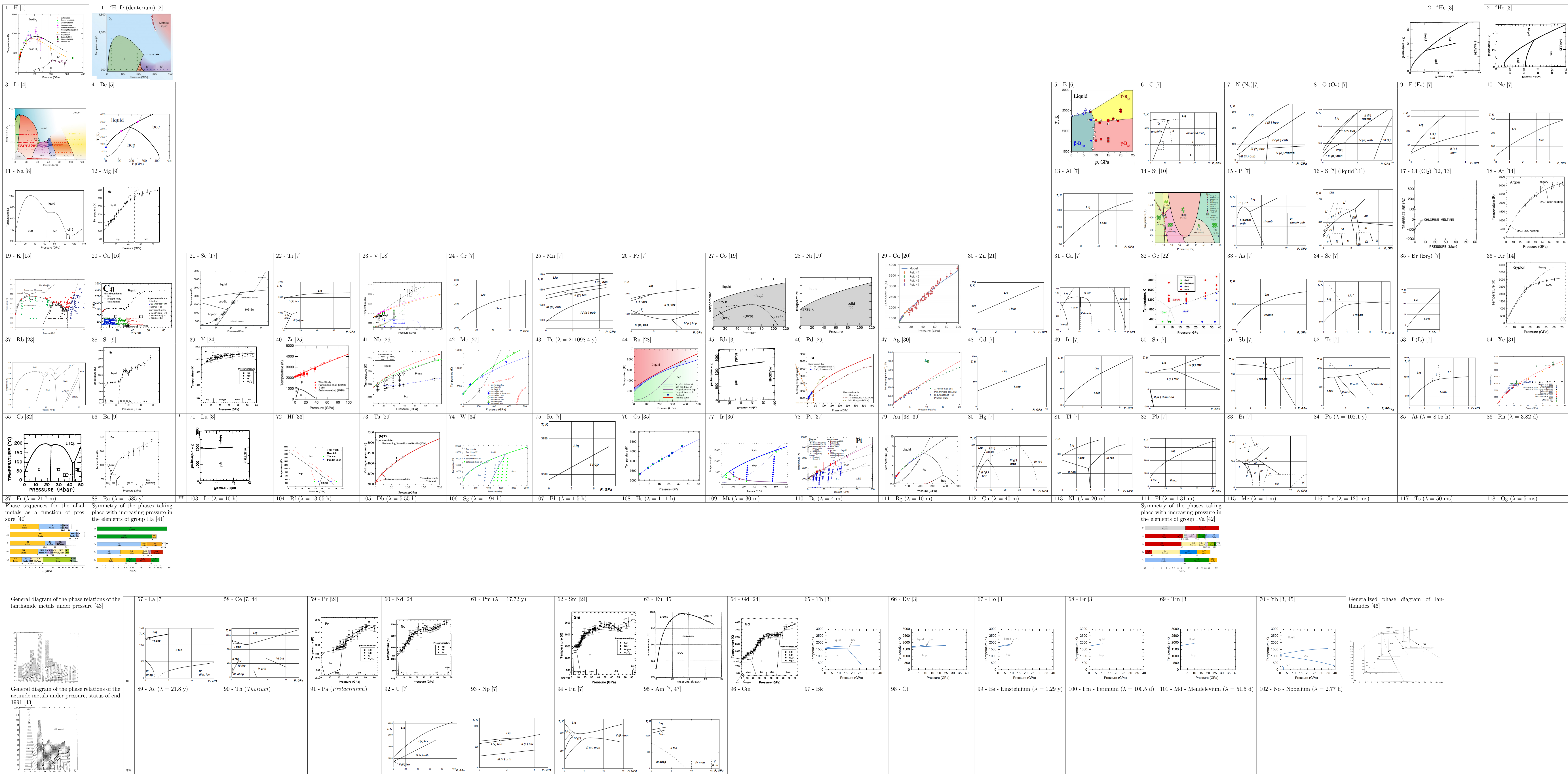


PERIODIC TABLE OF THE PHASE DIAGRAMS (v1.0, NOV. 2020)

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- Mao, H.-K.; Chen, X.-J.; Ding, Y.; Li, B.; Wang, L. *Reviews of Modern Physics* **2018**, *90*, 015007.
- Dalladay-Simpson, P.; Howie, R. T.; Gregoryanz, E. *Nature* **2016**, *529*, 63–67.
- Young, D. A. *Phase diagrams of the elements*; tech. rep.; California Univ., 1979.
- Guillaume, C. L.; Gregoryanz, E.; Degtyareva, O.; McMahon, M. L.; Hanfland, M.; Evans, S.; Guthrie, M.; Sinogeikin, S. V.; Mao, H. *Nature Physics* **2011**, *7*, 211–214.
- Benedict, L. X.; Ogitsu, T.; Trave, A.; Wu, C. J.; Sterne, P. A.; Schwegler, E. *Physical Review B* **2009**, *79*, 064106.
- Solozhenko, V. L.; Kurakevych, O. O. *Scientific Reports* **2013**, *3*, 1–8.
- Tonkov, E. Y.; Ponyatovsky, E., *Phase transformations of elements under high pressure*; CRC press: 2018.
- McMahon, M.; Gregoryanz, E.; Lundegaard, L.; Loa, I.; Guillaume, C.; Nemes, R.; Klepe, A.; Amboage, M.; Wilhelm, H.; Jephcoat, A. *Proceedings of the National Academy of Sciences* **2007**, *104*, 17297–17299.
- Errandonea, D.; Boehler, R.; Ross, M. *Physical Review B* **2001**, *65*, 012108.
- Li, C.; Wang, C.; Han, J.; Yan, L.; Deng, B.; Liu, X. *Journal of materials science* **2018**, *53*, 7475–7485.
- Henry, L.; Mezouar, M.; Garbarino, G.; Sifré, D.; Weck, G.; Datchi, F. *Nature* **2020**, *584*, 382–386.
- Babb Jr, S. E. *The Journal of Chemical Physics* **1969**, *50*, 5271–5274.
- Cannon, J. F. *Journal of Physical and Chemical Reference Data* **1974**, *3*, 781–824.
- Errandonea, D.; Boehler, R.; Ross, M. *Physical review letters* **2001**, *86*, 5731.
- Narygina, O.; McBride, E.; Stinton, G.; McMahon, M. *Physical Review B* **2011**, *84*, 054111.
- Anzellini, S.; Errandonea, D.; MacLeod, S.; Botella, P.; Daisenberger, D.; DeAth, J.; González-Platas, J.; Ibáñez, J.; McMahon, M.; Munro, K., et al. *Physical Review Materials* **2018**, *2*, 083608.
- Briggs, R. et al. *Phys. Rev. Lett.* **2017**, *118*, 025501.
- Errandonea, D.; MacLeod, S.; Burakovsky, L.; Santamaria-Perez, D.; Proctor, J.; Cynn, H.; Mezouar, M. *Physical Review B* **2019**, *100*, 094111.
- Boccato, S. Local structure of liquid 3d metals under extreme conditions of pressure and temperature. Ph.D. Thesis, 2017.
- Ali, S. J.; Swift, D. C.; Wu, C. J.; Kraus, R. G. *Journal of Applied Physics* **2020**, *128*, 185902.
- Errandonea, D.; MacLeod, S.; Ruiz-Fuertes, J.; Burakovsky, L.; McMahon, M.; Wilson, C.; Daisenberger, D.; Popescu, C. *Journal of Physics: Condensed Matter* **2018**, *30*, 295402.
- Prakapenka, V.; Kubo, A.; Kuznetsov, A.; Laskin, A.; Shkurikhin, O.; Dera, P.; Rivers, M.; Sutton, S. *High Pressure Research* **2008**, *28*, 225–235.
- Lundegaard, L. F. **2007**.
- Errandonea, D.; Boehler, R.; Ross, M. *Phys. Rev. Lett.* **2000**, *85*, 3444–3447.
- Pigott, J. S.; Velisavljevic, N.; Moss, E. K.; Draganic, N.; Jacobsen, M. K.; Meng, Y.; Hrubak, R.; Sturtevant, B. T. *Journal of Physics: Condensed Matter* **2020**, *32*, 355402.
- Errandonea, D.; Burakovsky, L.; Preston, D. L.; MacLeod, S. G.; Santamaria-Perez, D.; Chen, S.; Cynn, H.; Simak, S. I.; McMahon, M. I.; Proctor, J. E., et al. *Communications Materials* **2020**, *1*, 1–11.
- Beloshenko, A. B.; Burakovsky, L.; Chen, S.; Johansson, B.; Mikhaylushkin, A.; Preston, D.; Simak, S.; Swift, D. *Physical review letters* **2008**, *100*, 135701.
- Liu, Z.-L.; Zhu, C.-C.; Zhang, X.-L.; Wang, H.-Y. *Physica B: Condensed Matter* **2020**, *598*, 412434.
- Ma, J.; Li, W.; Yang, G.; Zheng, S.; He, Y.; Zhang, X.; Zhang, X.; Zhang, X. *Physics of the Earth and Planetary Interiors* **2020**, 106602.
- Hieu, H. K.; Ha, N. N. *AIP Advances* **2013**, *3*, 112125.
- Shulenburger, L.; Desjarlais, M. P.; Mattsson, T. R. *Phys. Rev. B* **2014**, *90*, 140104.
- Jayaraman, A.; Newton, R.; McDonough, J. *Physical Review* **1967**, *159*, 527.
- Zhang, C.-B.; Li, W.-D.; Zhang, P.; Wang, B.-T. *Computational Materials Science* **2019**, *157*, 121–131.
- Baty, S.; Burakovsky, L.; Preston, D. *Crystals* **2020**, *10*, 20.
- Patel, N. N.; Sunder, M. *Journal of Applied Physics* **2019**, *125*, 055902.
- Anzellini, S.; Monteseguro, V.; Bandiello, E.; Dewaele, A.; Burakovsky, L.; Errandonea, D.; Scintific reports **2019**, *9*, 1–10.
- Zhang, C.-B.; Li, W.-D.; Zhang, P.; Wang, B.-T. *Computational Materials Science* **2019**, *157*, 121–131.
- Smirnov, N. *Journal of Physics: Condensed Matter* **2017**, *29*, 105402.
- Weck, G.; Recoiles, V.; Queyroux, J.-A.; Datchi, F.; Bouchet, J.; Ninot, S.; Garbarino, G.; Mezouar, M.; Loubeyre, P. *Phys. Rev. B* **2020**, *101*, 014106.
- Patel, N. N.; Sunder, M. *Journal of Applied Physics* **2019**, *125*, 055902.
- Burakovsky, L.; Burakovsky, N.; Cawkwell, M. J.; Preston, D. L.; Errandonea, D.; Simak, S. I. *Phys. Rev. B* **2016**, *94*, 094112.
- Monteseguro, V.; Bandiello, E.; Dewaele, A.; Burakovsky, L.; Errandonea, D. *Scientific reports* **2019**, *9*, 1–10.
- Smirnov, N. *Journal of Physics: Condensed Matter* **2017**, *29*, 105402.
- Week, G.; Recoiles, V.; Queyroux, J.-A.; Datchi, F.; Bouchet, J.; Ninot, S.; Garbarino, G.; Mezouar, M.; Loubeyre, P. *Phys. Rev. B* **2020**, *101*, 014106.
- Jayaraman, A. *Physical Review* **1964**, *135*, A1056.
- Johansson, B.; Rosengren, A. *Physical Review B* **1975**, *11*, 2836.
- Stephens, D. R.; Stromberg, H.; Lilley, E. *Journal of Physics and Chemistry of Solids* **1968**, *29*, 815–821.
- Benedict, U.; Holzapfel, W. *Handbook on the Physics and Chemistry of Rare Earths* **1993**, *17*, 245–300.
- Johansson, B.; Luo, W.; Li, S.; Ahuja, R. *Scientific reports* **2014**, *4*, 1–5.
- Jayaraman, A. *Physical Review* **1964**, *135*, A1056.
- Johansson, B.; Rosengren, A. *Physical Review B* **1975**, *11*, 2836.
- Stephens, D. R.; Stromberg, H.; Lilley, E. *Journal of Physics and Chemistry of Solids* **1968**, *29*, 815–821.