Round table — Some key open issues

- 1) Universality of shear bands?

- 2) What is the connection between brittle-to-ductile transition & type of shear bands?

- 3) The exponent of the pseudo-gap $(\theta = \eta)$

  - Why do we have a jump/discontinuity at zero strain $(\gamma = 0)$?

  - Relation between the exponents θ and β ?

- 4) Disentangling the putative critical behaviours associated with yielding

- 5) Brittle-to-ductile transition:

  - Mean-field Random-Field Ising Model (MF RFIM) scenario ($\mathcal{P}(S)$ & $\langle \sigma \rangle - \sigma_c$)

  - How important is the (non-)convexity of the propagator kernel G

  - Why are mean-field theories so (often) successful?