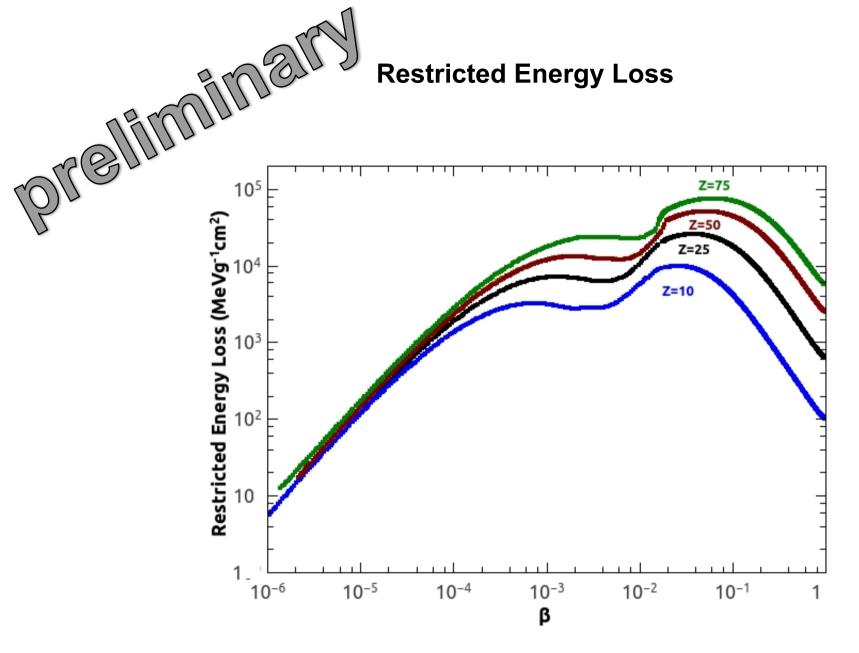
Few notes on HECO energy loss

- \rightarrow For β < 0,01 REL = ELoss and we can use Ziegler et al. (SRIM)
- \rightarrow For β in the range 0,01 and 0,05 there is no satisfactory formula for the Energy loss (Bethe-Block not valid) and nor for REL. So, we generally use approximation/interpolation: Ziegler, for the energy Loss, other for REL.
- \rightarrow For β > 0,05 REL computed from PDG

=> This is true as long as Z <= 92, For larger charges it is no more possible to use Ziegler et al. (SRIM) for low velocities; but formula from PDG can always be used.

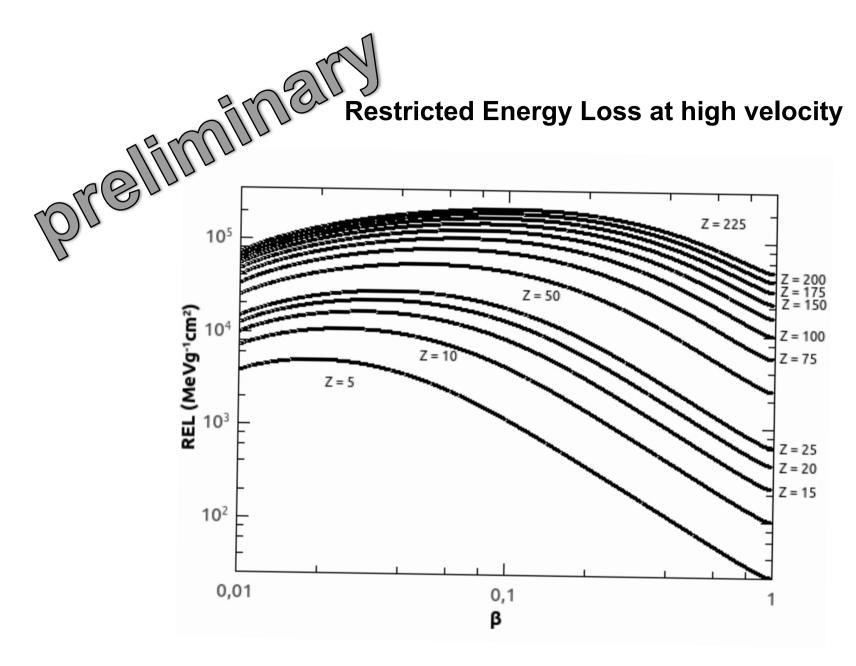
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Restricted Energy Loss

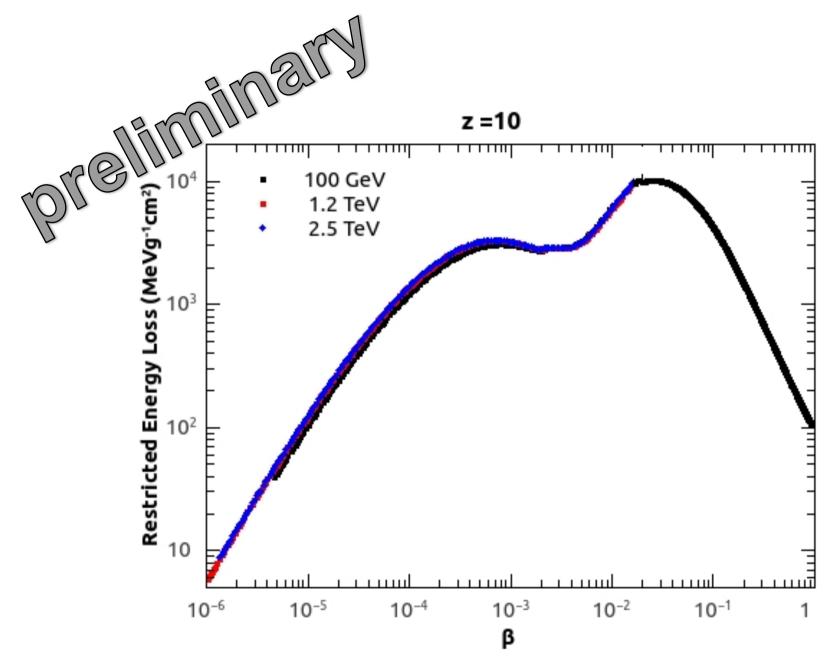


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Small difference at low beta for different masses

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