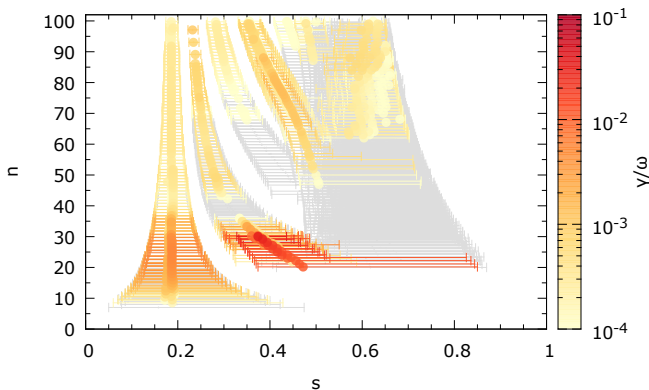


Stability of α -driven Alfvén eigenmodes in ITER.



For ITER baseline scenario with $I_p = 15$ MA:

- **Systematic scan** to find all AEs in a given frequency range;
- **Linear stability** assessed from the energy exchange between each AE and fusion-born α s, DT fuel, electrons, and He ash;
- **Most unstable modes** are TAEs with $20 \lesssim n \lesssim 30$, localized around the maximum of alpha-pressure gradient ($s \approx 0.42$).