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Spectrograms of the magnetic fluctuations during the bursting toroidal Alfvén eigenmode (TAE) in the (a) hydrogen and deuterium mixed beam experiment and in the (b) pure hydrogen experiment in the Large Helical Device. The yellow color indicates the species and energies of transported particles by TAE, observed by E-parallel-B-type neutral particle analyzer (E||B-NPA). The correspondence between the frequency of the magnetic fluctuations and the resonance particle species and energies have been clarified. The green color indicates the similar behavior just before the TAE burst.

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