

- Massive Gas Injection was used for RE studies in JET with ITER-like Wall;
- Tomography of soft-X rays emission and MHD data enabled detailed analysis of disruption phenomenology triggered by Massive Gas Injection;
- The mapping of RE generation domain in JET-ILW operation parameters space discovered the significant extension of RE generation boundary toward lower toroidal magnetic field values. Hard X-ray emission and photo-neutrons were measured at 1 T. The RE current  $I_{RE} \leq 100$  kA was measured at magnetic field  $B = 1.2$  T;
- Dissipative effects of Massive Gas Injection of high-Z impurity gas on energy characteristics of RE populations in JET-ILW have been demonstrated. However, the task of impurity gas delivery into the core of RE beam for its dissipation has yet to be solved.

