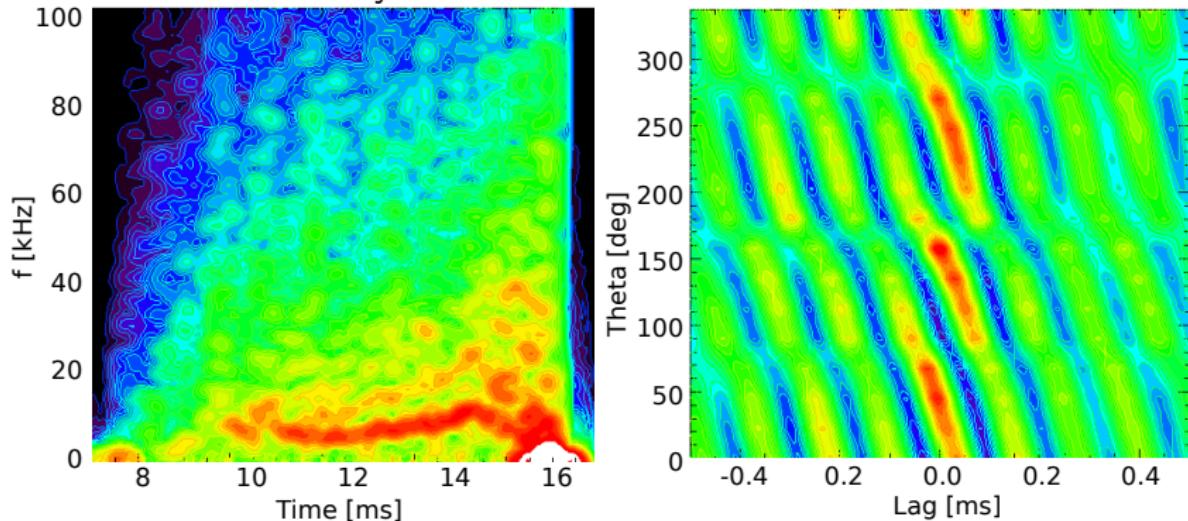


# Magnetohydrodynamic studies

Array of 16 Mirnov coils has been installed. Magnetic islands detected at low  $q$  regime of tokamak  $m = 3$  magnetic island – shown by cross-correlation analysis of 14 – 15 ms interval



*Spectrogram of  $B_\theta$  perturbations detected by a Mirnov coil located on  $\theta = \pi/2$ , Cross-correlation coefficients of  $B_\theta$  perturbation signal on an array of 16 Mirnov coils. Reference coil chosen on  $\theta = \pi/2$*