



ASDEX Upgrade

Max-Planck-Institut  
für Plasmaphysik



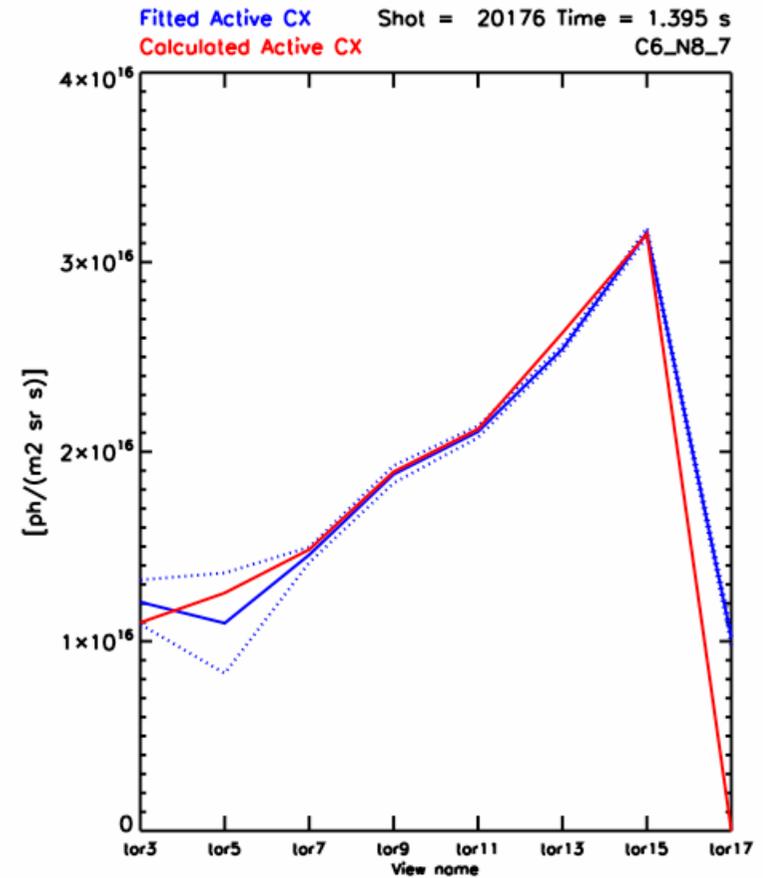
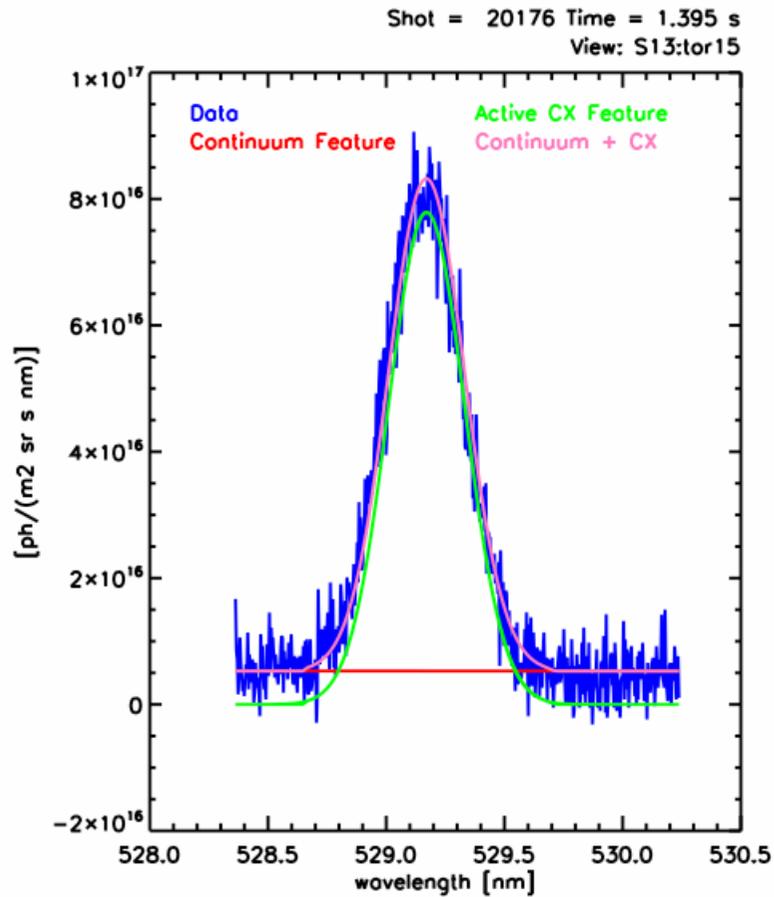
# Status and Plans for NEW-CHEAP (at IPP-Garching)

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- We have written an alpha-version of CHEAP (or, more precisely, a code to deduce ion impurity densities from CXRS spectra & fits), based on IDL
- Advantages:
  - Clear separation of machine-independent modules
  - Forward spectral modelling allowing, in principle, full feature modelling & error propagation via MC techniques
- Disadvantages:
  - Very slow (reason unknown)
  - Only very primitive feedback algorithms

# Status



- At the moment, very little is being done due to lack of manpower
  - Upgrades to follow AUG CXRS hardware development (e.g. new edge CXRS system)
  - Comparison of diverging cone model to detailed MC model of beam geometry
  - Inclusion of beam emission features (for calibration)
  - Expansion for Ar CXRS experiment
- Offers of collaboration are welcome