FILTER

MODEL:
- Background Continuum Line Absorption
  - PowerLaw
  - BremsstrahlungBrokenPowerLaw
  - Delta
  - Gaussian
  - Lorentzian
- xabs
- gabs

Data Augmentation:
- ARF
- RMF
- Source Counts
- Bkg Counts
- Counts Area
- Area
- Ratio
- Effective Area
- Blurring Matrix
- Exp. Time

- Filter Indicator
- Compute Loglikelihood
- Separate lines and continuum
- Restore absorbed counts
- Separate Bkg counts
- Remove RMF Blurring

Model Specification
- Transformation for GLM
- Set Priors

Parameter Initialization
- [Conditional] Expectation
- Draw Parameters

Output:
- Energy vs. ARF
- Channel vs. Counts
- MCMC draws for parameters
- LogLikelihood

Done?
- No
- Yes