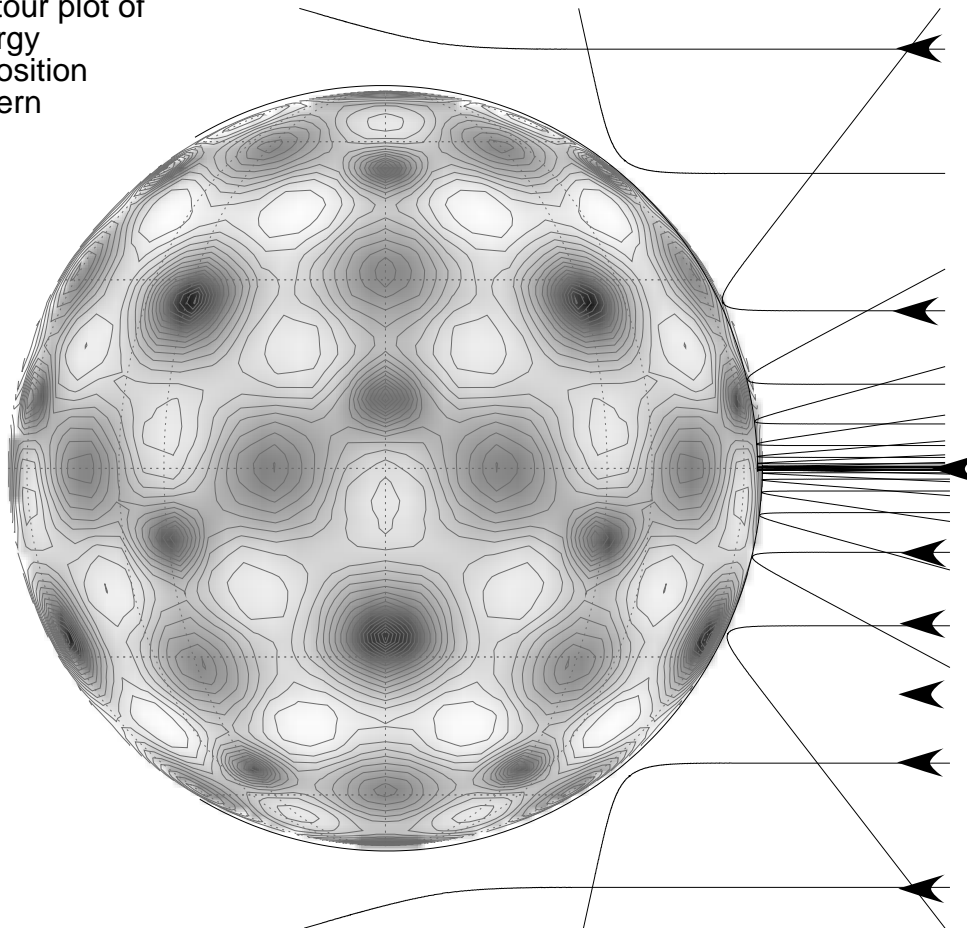


Work is being done to improve the low- ℓ mode (a)symmetry modeling in the FAST code

We're improving the raytracing in the FAST code to dynamically calculate the (low- ℓ mode) 2D or 3D illumination patterns/uniformity in the spherical plasma corona.

contour plot of
energy
deposition
pattern



This will give us the capability to produce (low- ℓ mode) energy deposition distribution as function of (θ, ϕ) , given:

1. Coronal plasma distribution
2. Individual beam intensity profiles
3. Beam aiming configuration
4. Energy/Power imbalance specs.
5. Beam misalignment specifications
(or pellet misplacement)

rays