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**Maxime Van de Moortel\*** ([mmoortel@princeton.edu](mailto:mmoortel@princeton.edu)). *The breakdown of weak null singularities inside black holes.*

What singularities lie inside a black hole formed in gravitational collapse? Locally near time-like infinity, it is known for various models that a generic black hole has a weakly singular Cauchy horizon. The global structure of the black hole interior, however, has largely remained unexplored. I will present my recent proof that, in the spherical collapse of a charged scalar field, the weakly singular Cauchy horizon breaks down and gives way to a “crushing type” singularity. (Received January 16, 2021)