



The banner features a circular portrait of Cyd Cowley, a young man with short brown hair, wearing a dark suit, white shirt, and blue tie, with a yellow sash. The background of the banner is white with blue wavy lines on the left side. In the top right corner, there are logos for 'FUSION' and 'FuseNet'. The text on the banner includes the title 'Advanced Divertors', a subtitle 'A Cutting Edge tool to Control Plasma Exhaust.', the date and time 'Tuesday, February 15<sup>th</sup> 16:00 Prague', and the Zoom link 'Zoom in **LIVE** at **fusion.yt/bh**'. A small note at the bottom right of the banner states '\*PhD student, University of York (UK)'. At the bottom of the banner, there is a green bar with the text 'OPEN ZOOM WEBINAR' in white, with a Zoom icon.

**Advanced Divertors**  
A Cutting Edge tool to Control Plasma Exhaust.

Tuesday, February 15<sup>th</sup>  
16:00 Prague

Zoom in **LIVE** at  
**fusion.yt/bh**

\*PhD student, University of York (UK)

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**Title:** Advanced Divertors

**Speaker:** Cyd Cowley

**When:** 2022-02-15 16:00:00

**Abstract:** The idea behind magnetic confinement fusion is to create a well-confined star-like plasma on Earth. Eventually, however, the fusion plasma in our devices must touch the surrounding material, which can pose significant challenges given that plasma can reach temperatures up to 10 times hotter than the core of the sun. In an attempt to reduce and control this plasma exhaust, advanced divertors have been proposed, which implement novel magnetic or geometric topologies of the plasma. Taking advantage of divertor and detachment physics, advanced divertors and their features may be crucial for safe operation of next-generation tokamaks.

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