

A few year ago with Laza and Voisin we constructed a hyperkähler compactification of the intermediate Jacobian fibration associated to a general cubic fourfold. In this talk I will first show how such a compactification  $J(X)$  exists for any smooth cubic fourfold  $X$  and then discuss how the birational geometry of the fibration  $J(X)$  is governed by any extra algebraic cohomology classes on  $J(X)$ .