1139-13-219   **Mehdi Garrousian**, **Aron Simis** and **Stefan Tohaneanu***, University of Idaho, Department of Mathematics, Moscow, ID 83844. *A blowup algebra of hyperplane arrangements.*

We show that the Orlik-Terao algebra of a central arrangement of n hyperplanes is graded isomorphic to the special fiber of the ideal I generated by the $(n-1)-$fold products of the defining linear forms. This momentum is carried over to the Rees algebra (blowup) of I and it is shown that this algebra is of fiber-type and Cohen-Macaulay. It follows by a result of Simis-Vasconcelos that the special fiber of I is Cohen-Macaulay, thus giving another proof of a result by Proudfoot-Speyer about the Cohen-Macaulayness of the Orlik-Terao algebra. (Received February 12, 2018)