

Meeting: 999, Nashville, Tennessee, SS 10A, Special Session on Geometry of Hyperbolic Manifolds

999-57-185 **Alan W Reid***, Dept of Mathematics, The University of Texas at Austin, Austin, TX 78712.

Covers of arithmetic 3-orbifolds with positive first betti number. Preliminary report.

We show that if Γ is an arithmetic Kleinian group and contains an A_4 , S_4 , or A_5 subgroup then Γ has a finite index subgroup that surjects \mathbf{Z} .

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