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**Shahriar Shahriari\*** ([sshahriari@pomona.edu](mailto:sshahriari@pomona.edu)), Department of Mathematics, Pomona College, 610 N. College Ave, Claremont, CA 91711. *Nested Chain Decompositions in Normalized Matching Posets*. Preliminary report.

In 1975, Jerry Griggs conjectured that a normalized matching poset (aka an LYM poset) has a nested chain decomposition. This elegant conjecture remains open. In this talk, we will survey what is known and present a method for finding nested chain decompositions for most (but not all) rank three normalized matching posets. (Received January 18, 2011)