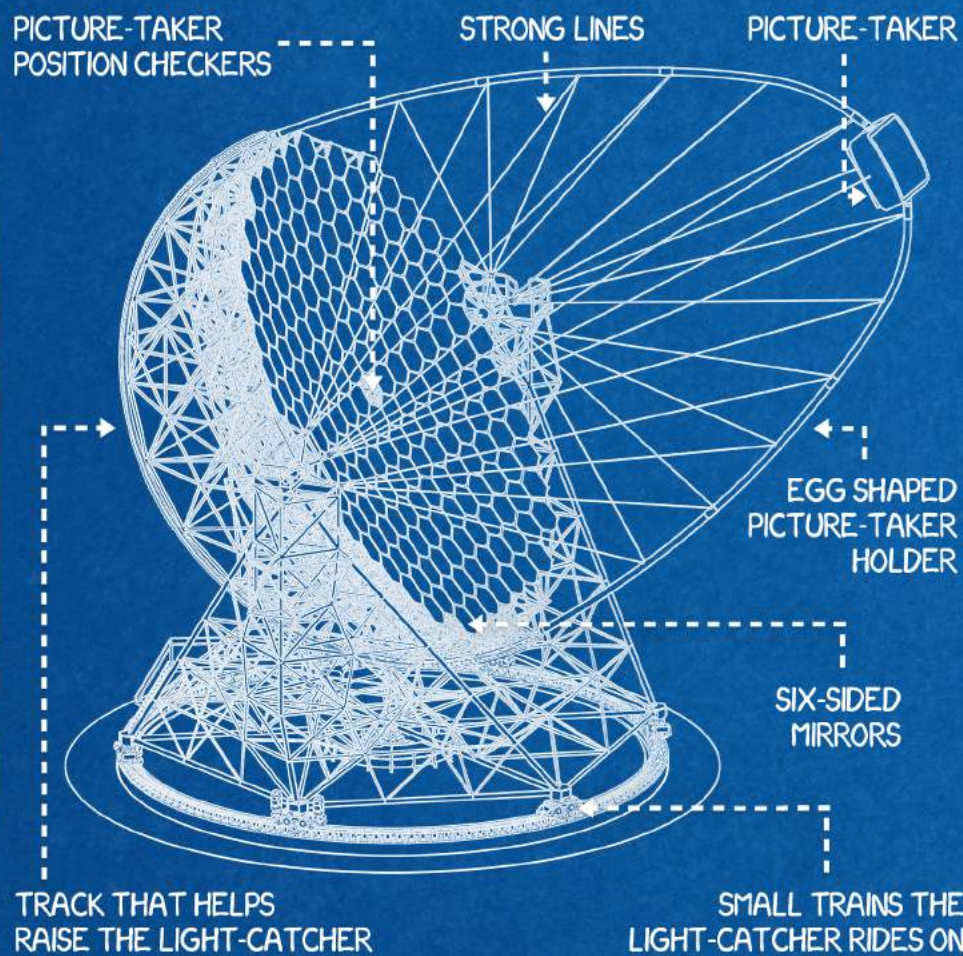


TELESCOPES FROM THE CHERENKOV TELESCOPE ARRAY

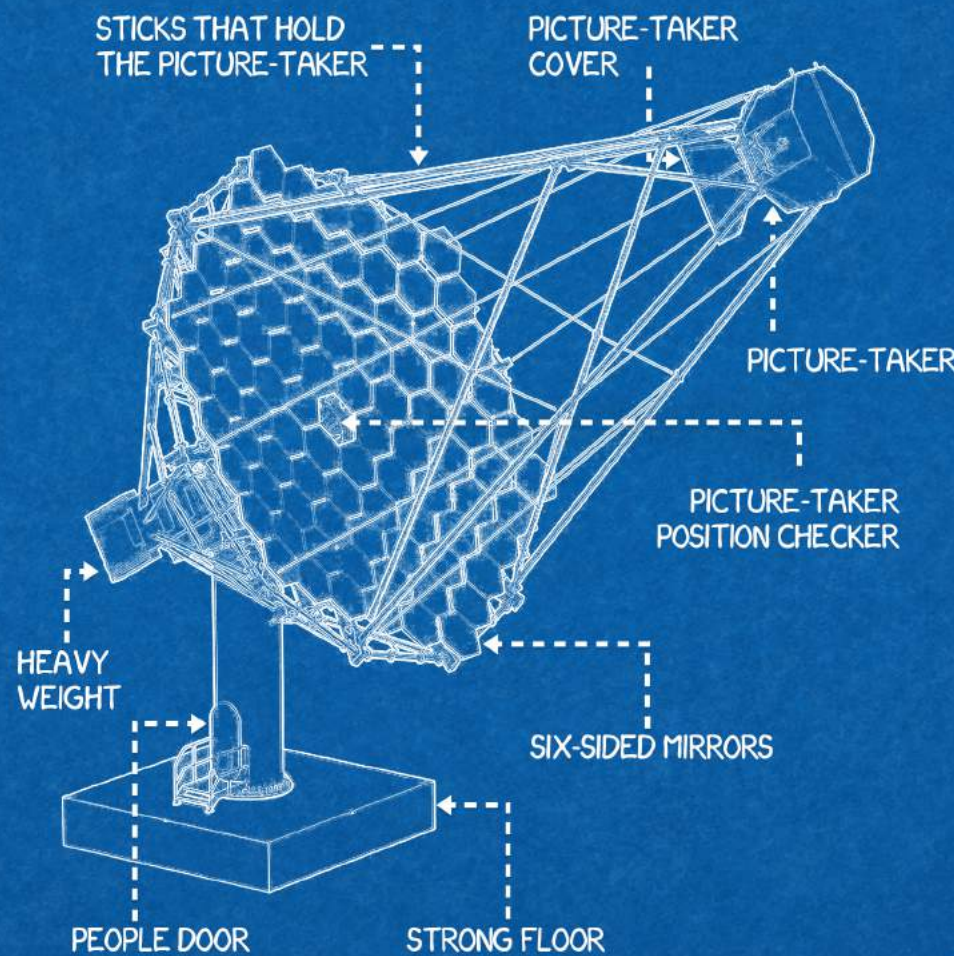
THE MOST IMPORTANT PARTS OF THE THREE LIGHT-CATCHERS POINTED OUT WITH SIMPLE WORDS

THESE THREE LIGHT-CATCHERS WILL HELP US SEE LIGHT FROM OUTER-SPACE WITH LOTS OF POWER. THIS LIGHT CANNOT BE SEEN WITH OUR EYES AND IS ONLY MADE IN SPECIAL PLACES. WHEN THIS LIGHT HITS THE AIR AROUND THE EARTH, A SPECIAL BLUE FLASH OF LIGHT IS MADE THAT IS GATHERED UP BY THESE LIGHT-CATCHERS. BY LOOKING AT HOW BRIGHT THE FLASH IS, WE CAN WORK OUT HOW MUCH POWER THE LIGHT FROM SPACE HAD. LARGE LIGHT-CATCHERS ARE BEST FOR SEEING SMALL FLASHES, BECAUSE THEY CAN GATHER A LOT OF LIGHT WITH THEIR BIG MIRRORS, ALLOWING A PICTURE-TAKER TO IMAGE THEM. SMALL LIGHT-CATCHERS ARE BEST FOR SEEING THE BIG FLASHES THAT DO NOT HAPPEN VERY OFTEN. THERE IS SO MUCH LIGHT GIVEN OUT IN A BIG FLASH THAT WE ONLY NEED SMALL MIRRORS TO CATCH ENOUGH LIGHT TO SEE THEM AND BY BUILDING LOTS OF THESE SMALL LIGHT-CATCHERS OVER A WIDE AREA, WE WILL HAVE A MUCH HIGHER CHANCE OF FINDING THEM. MIDDLE SIZE LIGHT-CATCHERS ARE BEST FOR SEEING MOST OF THE FLASHES IN THE NIGHT SKY THAT ARE NOT BIG AND NOT SMALL, BUT IN-BETWEEN.

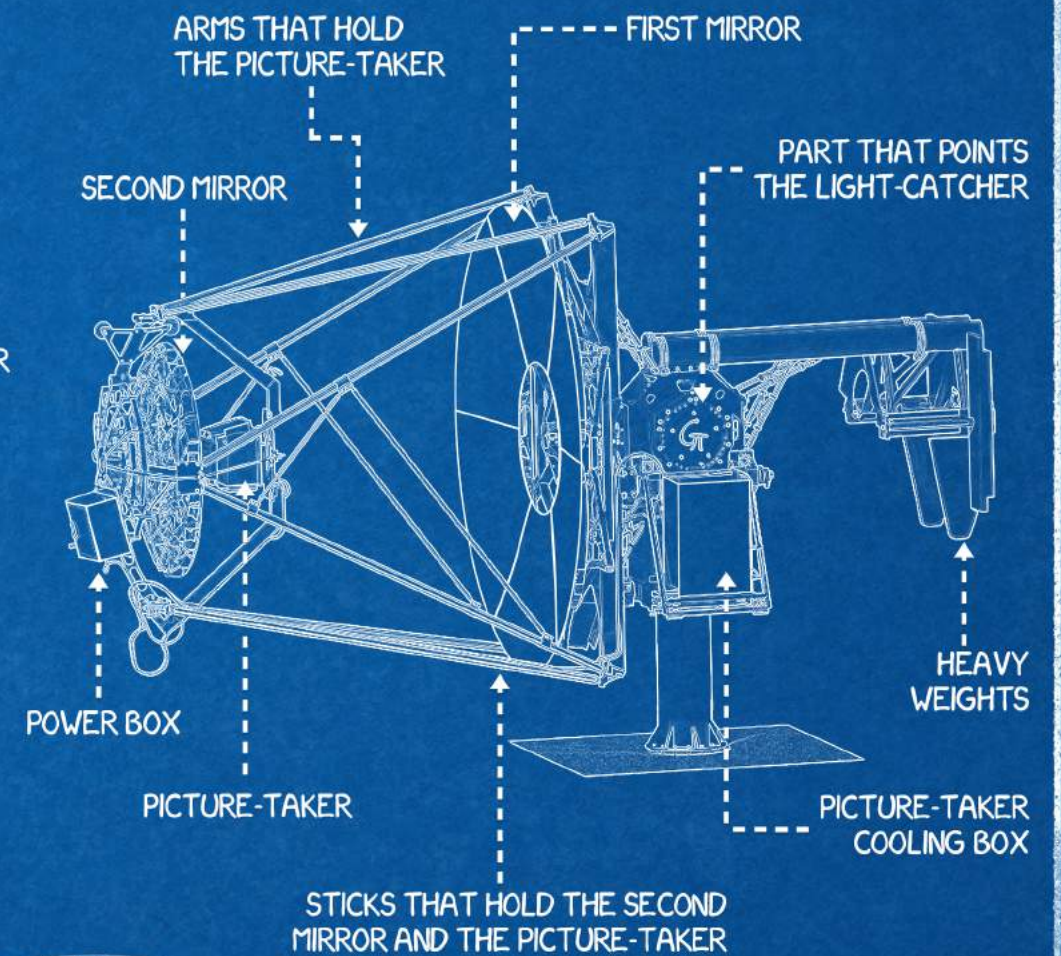
LARGE SIZE LIGHT-CATCHER



MIDDLE SIZE LIGHT-CATCHER



SMALL SIZE LIGHT-CATCHER



TITLE: TELESCOPES FROM THE CTA

AUTHOR: JAMES THOMAS WILSON

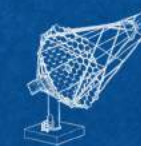
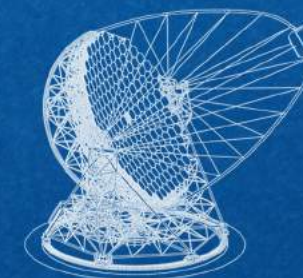
DATE: 23/04/16

A GROUP OF OVER 1,200 PEOPLE (MOSTLY TEACHERS AT SCHOOLS FOR GROWN UPS) FROM 32 COUNTRIES WHO ARE BUILDING GROUPS OF LIGHT-CATCHERS IN BOTH THE NORTH AND THE SOUTH OF THE EARTH AT VERY DARK PLACES SO IT IS EASIER TO SEE THE SMALL BLUE FLASHES IN THE NIGHT SKY.



cherenkov
telescope
array

UK



THESE DRAWINGS SHOW HOW BIG EACH OF THE LIGHT-CATCHERS WOULD LOOK NEXT TO EACH OTHER.